

<210> 1239
 <211> 453
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710042d11b1

 <400> 1239

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 caataaaatg agcgatgagt tggatctttt gaggggaacag aaaaagatat tatctgaaga 120
 ggcggcactg caattaagtt ctttaaaacg gatgtcagat gaagctgcaa agtcccctca 180
 aaatgaggag attaatgtaa tataatcacc ctgttcacga tatctatatc tagttgtttt 240
 actctagcaa aatattgacc ttctcgggtc tcgttggtgc ttaggaggaa attaaagtac 300
 tcaatgacga catcaaagca aagaatgacc agattgctac gttggagaga cagataatgg 360
 attttggtat gacatctcat gaggcattgg ataaatctga tatcatgcag gtaggttcca 420
 attgtcaagt attatgcact gacttttttt gtc 453

<210> 1240
 <211> 517
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710042d12b1

 <400> 1240

 catatggtat aaaggcgttg aactaattac tgatcccgtc atgtatagtg gagtgtgatt 60
 tgtttgtttt acttcatagg ataatagaaa aacaaacaat atatacaaaa ttaactgtgg 120
 attacaaata attgtgttca tatatcttat ccacttatat aaactagata ccatgatact 180
 tgagcttaaa taattgatca catccgccga acacaaatca tggtcacatc cacatgaatt 240
 ctttcattac ttttgtttga gatttaagtc ccaacgggta aattggaatc ttgcactact 300
 ttaattgtat atagtttatt gcctaaacag ccaataatca gtttcacaaa caaataaaat 360
 ataactaaaa aactccaat aatcagaaag aaaccaatag aactgcaagg aaaacaaact 420
 tttttgagta accaatgaat ttttaaactt tgcaaataca aaagaagatt ctgattacac 480
 aattttaaat tatgatccgg gcaaatagaa tctctttt 517

<210> 1241
 <211> 489
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710042f10b1

 <400> 1241

 ataagggttt gtacatatag atatcgaaga aaatagaaaa aaatattaaa agttcccttt 60
 ttgcttcaat ccgtcaacta aaaaaagggt ataaaaggaa ggtaacatta gttgatacta 120
 tggtatTTAA tagacaagta tTTaatacac gcaaaaaaga aaaaaaaagt tctttattct 180
 ttatctgaat aatgagtcac cgcacaattc atgatttaga ttcaactact tatacttatt 240
 aataaactaa tagcaaggaa gaaacaaatt gagttgatcc gtttacctaa gtaaggacca 300
 ataaaatcaa aaattttgat cttcgaaacc aattaaatga aattctaagg gttccatttt 360
 atggggcagt gcgcgagaaa ttaaatacata aacaaatgat agaatttgag cgccctgaaa 420
 atgccataat atataacatc aaaatctatt acattaatgg gggtcggaaa tgggtgaagt 480
 agatgaata 489

<210> 1242
 <211> 469
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710042f11b1

 <400> 1242

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 ggacattcca tggTTTTTcc gtaatgaaaa cgggctgtat ggtctaaaga ccaattttgt 120
 ccatggcctt aatgggctag ccacacgggt ttatggttgg cccatcaatt ttttcaacac 180
 atcaattttt cttctcttct ctctctctcg gcaacgacgc tctctctccc ggcgacaaag 240
 ctctctctcg gcgacgacca agctcgacct ctctctcaac tcctactccg gttagttcta 300
 ctagcttgTg ggtttgtcca aatttcaatt gttagtgttt ctgaaagaat cttagctttt 360
 tggatatgag gagagctagc tagcaaatgg gcacttttca gatTTTgttt atggctcgcc 420
 atttcgaatt tcattatgaa ttgaagcaca tcaatatgta gagaccctt 469

<210> 1243
 <211> 291
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710042f12b1

 <400> 1243

 ccatgtttca catgaaagtc tctttggttt gccctttgtc ttgtttgttg gggtttggtc 60
 ttttaataaa aaagagctcg aagaacatgc gtcggactct ttctcttctt tgaattcatt 120
 caattggcca cggcgacaaa acagggagcc gatacagcga aactgataca tcttctttta 180
 ttttctggat tcttaggggt ctttttcggg gaatttaggt aattatgtct gtccattttg 240
 gtggggcctg ggagatataa aatttgcttt tctttgcgtc ggattctcaa a 291

<210> 1244
 <211> 344
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710042g10b1

 <400> 1244

 agaatgggct tgctttgcgt gggctgccat tagttcttcg aggcgggagg gttggggcgg 60
 tttaaaagtg tcgggggtttt ttcagcagtt ctcggacaaa aattgctgag tggccgagaa 120
 gaatgggctg gtcatgcgtg ggctgacacg gattcttcga ggcctagggg tggcggtata 180
 taacttgctc gcatgatatt accgagatgt cccacgggc atcttttcac ctgcgcgcc 240
 aagagaatgg gcgtgtcatg gcatgggctg acatggattc tcctaggccg tttgggtggc 300
 ggtatagtcg tcttgcgcac gaaataccga gatgtcccca tggg 344

<210> 1245
 <211> 334
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710042g11b1

 <400> 1245

 agacggtggt gttacaacga ccaactgaca aggtactcgc gatggctctt tagaagaatt 60

tggcattgtg tgaggtttgt ggctcatttc ttgtggctaa tgatgcagca gaaagaacgc 120
 aatctcatgt cactggaaag caacatgttg gctatggctt ggctcgggat cttattgctg 180
 aacaaaaagt aagtctcaga actaatactt gaatcttgtt tcatttgagc tgtcattcct 240
 tataaaatgg ggatagtgat gctatgatta ctttttctat tctaggctgc taaagataaa 300
 ggaaaggaag aagaaagact agtcagagga aaag 334

<210> 1246
 <211> 437
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710042h10b1
 <400> 1246

atacaacaga ccaatttcca atcctaaaac taaatggaat acacactttt ttttttcttt 60
 atggaatagg aaatttctgt gcgtcttttag gttcctttct tttatgaaaa ggaaactctt 120
 aagacttcta gaattggaaa tatttgattt gattgaacac aaacgacttc ttgaagtctt 180
 ctccaaaaac ctacatatgt ttcataagtg ctggctcttt ttggagaaaa aaatgctaata 240
 gggggacagg cgaatttgat gcataaaaca aagaccgcat gctttcaagc aagaaaaagt 300
 cgcatagaca taagtacaac aaggattaaa agcaatacta aaataaggaa aatataattt 360
 aaaagatttg aaatccgcaa gtagtctata gaaaccaact taagatctgt actagcactc 420
 gttgacttct tcgcacg 437

<210> 1247
 <211> 444
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710042h12b1
 <400> 1247

ttgtgcattt tcatgctcaa gcaatctcca acattcaata ctctagcgt tgtataactt 60
 cttactgtcc tttgctcgag ttactggtgg gacattgctc aagtttctta attgtttctt 120
 catttttggc cttctgtgtt tattttttgc agctttctcg acatgagccc aggggattac 180
 aactgtttt ggtcactggg ggtgctgggt ctattgggtc acatgcagct ctaaggcttc 240

taaaggaatc atatcgagtg accattgtgg tatcttcttt ggcttacatg gatttagggt 300
 attttgctca acattattgt aaatgtcgat atcacaaagt aaatctcttt ctgtttaata 360
 ggacaatcta tcacggggca atctcgctgc agtcaggatt ttgcaagaac tatttccgga 420
 acctggaagg cttcaattta tttta 444

<210> 1248
 <211> 498
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710066a07b1
 <400> 1248

ggaggaaatt acgaaaggaa gaggtacaaa atcgattctc ttaaattcca gcggacaaaa 60
 cacaaagcct taaaagtatc tagtggacct tagtaaaagc ccaaattgatg gagcgtgctt 120
 gattgaggca tagtacatat gtcatacataa gatgaagatt ttgaaatcac caagcagagt 180
 caaaatctaa ggcaatgaca aaacgtaagc agcaggatac aaaagaaaac ctaaccctaa 240
 ccgtatttga atccaataaa cgatgttcaa actctggagg agaatacttt gatcgaatcc 300
 ctgcagattt ggtcatcaaa atcttatcga aattgtctgc aaagtctatg gccaaagtgc 360
 gttgtgtatg taagctcttg tcgtcgataa ttcgacaacc aaattataac cagttgttcc 420
 cgatcaagta tcccgatcca ccgaggttca tcttcacctt cttaggtgga ggaatgttat 480
 tttcctacac ttcaacac 498

<210> 1249
 <211> 455
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710066a08b1
 <400> 1249

aactcatgat aaatcaaaag gtggaaatta tgtttacgac ggtttatatc ttttgaaaa 60
 gtattggcaa caagtcggat ctcacggtat gaatgtcttc aagtttcaac ttaggcgcac 120
 acctggacaa cctgaacttt cttgggttga ggtgaagaaa tctaagtcaa aataccggga 180
 aggtctatgc aagcttgaca tctcagaagg gaaagagcag tcaccatta gcgctgtgaa 240

cgaaatagac gacgagaaac cgcctttgtt cacctacact gttaaactga tttaccaga 300
 ttggtgcaga ccatttcctc caaagtcacg ctgttgacc acgcgctgca ccgaagctga 360
 agcgaggggtg tgcgcttgtg tggagaaaaa cggtggagag ataccgtaca acttcgatgg 420
 agccattggt ggtgcaaaac ctactatcta tgaat 455

<210> 1250
 <211> 509
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710066a09b1
 <400> 1250

aaaaagtagg tcagatttcg cctattccta atcctaaatg gaatgtaacg acgtagggat 60
 ccctatgtaa acatagtatc tatttagata cgctcgaatg accccttctc ataatgagaa 120
 tgtatataac cttattccgg tctgggtccgg tatggaatga acttataatc atggaatcga 180
 ctcgatcatc agattataga ttataagttc ataaccttag tccattccca ttttgggcgg 240
 aaccgatcta ctaattcttt gattccagtt agtattagta agagggatct tgaactaaga 300
 aatagattct agaagctaaa aagggtatcc tgagcaatcg caataatcgg gttcattgat 360
 attcctggta tagtagatgc tatcacacat acaatcatc tcaattcgat ggaattgttt 420
 gatcttaaag gggatattct ataatttcgc atgtgagggg ttatttcttg gtttcgttca 480
 gtcattaata acttgattat ttttagata 509

<210> 1251
 <211> 249
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710066a10b1
 <400> 1251

gatcggacgg ctctgcgat ttcacagct ttcacgattt ctccatattt tgacacgtat 60
 tccaaccgca tctccaacgc gaaaccaagc tcttcacaa tcgtgaacgc gtttagttgt 120
 tgttccgcgt acattggcca cgtggctatt ggaacttcga aacgcaaact ctccaatatc 180
 gagttccaac cgcagtgatg cacgaaccct tcaattgctt tatggtgcca gaatttcaac 240

<210> 1252
 <211> 473
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl15710066b09b1
 <400> 1252

tatgtaccta gtctctcaag catgaaacat cgccgggtag agatttaagc taagtaacct 60
 tattatattt tataatgaag ttccatacga ttgggttttga gttgaatttt atagggtttt 120
 gattaattga aaactgattg tcaaggacta gattaatttt caattttgggt gtaaatttct 180
 aatgtctcct cgaagaaaga ctcttatcat ttaatctcga tatctcactc aaacctatat 240
 taaacttatt tagataaaat aattaagctt catgaatttc caattcagaa tcatttcaaa 300
 attatttgca ataagttgac ttcgacatgc atattatggt tagttccttc aaactcccaa 360
 aatgattccg atcatatgta ttgggtttttt tttttctctt tatttggtca attataatat 420
 gtttagaaaa accccatgtg tttttgcatg ttcatggatt ggtcattttc att 473

<210> 1253
 <211> 463
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl15710066b10b1
 <400> 1253

cgagcaaggc aacaaatgcg atgacgagag gtgaacaagc gccgatgttt gtgcccacga 60
 cttccccacg aaggagaagc cgcgggcatg ggtgtaaacc gaactcaaca attccttcaa 120
 attaggtacg aaacacaggc cccggaactc atcatcgagc gtaacatcgc ccgtgaatta 180
 actgagaagg ataggtggta ggtagttcga tgcgcgagca tggagcctac gaacactagc 240
 tatccgatca ccaatcatac gccgaacgtt caattaactc aaaatcatca atcgttccaa 300
 ctaatctacc gaagtactcg gctaagaaga aagaagacgg acgaatccga gccaaagccg 360
 tacaagcgcg agataccttc gggacagcct agggggatcc atgctttcca acgaagcacg 420
 cccatccaac ctaggcgaga caagggttca catttcgttc atc 463

<210> 1254
 <211> 430
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710066b12b1

 <400> 1254

 gaatcgacta tgagtccttt taatatttag tatagaatgt ttacagcaaa aataaatatt 60
 ttaaagtctc tttcagagaa aactaataac aataaaaaaa aaaaaaatcg tcaggtaatg 120
 cgcctacact gcgtagatgc attatgtata taatggatca aacaactttg tcatttcaaa 180
 taagactagc atgtaccgac acatgatagc atatcatctc aattaatgaa gcttcgcttt 240
 ttagttcaat ttaatatcag tttaacatct agcatttggt tttcatactt attctattaa 300
 ttccacgtac gatccgcatt cttcatactt attctattat tttgtccgac ctgatttttc 360
 agtatcaatt tgtttcgctg tttctaaatt ctttgtgaat ccactcatat attatcttat 420
 caaaatcata 430

<210> 1255
 <211> 565
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl15710066c07b1

 <400> 1255

 cgtggaagac atgacggatg tcatacttgg tttacaagga gagcctcctt ccaactattt 60
 gcacggagtt ccattcggtg gtggcaggta aggcttttgt taatttggtt cggttatgat 120
 agccttaciaa aagtatgttc ggtctttcat gcgtgttatt ttgataggga taaagttgca 180
 gcctgtgcca agcattacgt gggagatggt gggacaaccg gcggagtaaa cgagaacaac 240
 actgtgactg atttacacgg tcttcttagc gttcacatgc ccgcttatgc tgatgcagtt 300
 taciaaagggtg tttccacagt gatggtttca tattcgagct ggaatggtga gaagatgcat 360
 gcaaatactg agctgatcac agggatatctt aagggtaccc ttaagtttaa ggtctgctta 420
 cttatcaciaa cttcaacgca cattctctgt gttctggcag tagtctttct gaatgaatat 480
 ttctctctct ccatgtantt tatagattct tgaatagaac atatatatag catgtgtgag 540

ttcttagatg aaggagttga ttttg

565

<210> 1256

<211> 484

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710066c10b1

<400> 1256

gatgatgatc actataaatt aattgccggc cagttggaag gtttcctact ttgttcagat 60

ttccaactta aataataaat atgtgatgat ggctcaacc tgcataaaat cacgtacaag 120

caatcatatg acatttatga ccaatccaat ataaagatta gcgcccattc aagtgttcaa 180

atgttaacca tgagtattgg tcgaggataa attatgagca tatgacttat acgtacaaat 240

acaatagtag tattttaaaa catttttact ttacttaata gttgggtgga gtacaaaaca 300

attgatagtt cagatactct ttattcttta acatctttgt tttattcgtg tgcattgctaa 360

ggatatttgcg ttatcttata taagatttct tggctatctc atcaagacaa gaaattaggg 420

atcttatatc tatatattca aatttacgta atgcatgttt ttatttgaag tacatcgtat 480

acac 484

<210> 1257

<211> 496

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710066c11b1

<400> 1257

aacgggaagt aataacccga aaagaaacaa aggaaggtaa atagtccgc aatgcaagat 60

ctgtctatga gagtgtgtat atagaatggg tgagacccaa attcttcct gtctagcatt 120

ctaacgcata ggtctgcacc tgtgggtcaa aatttttcca aggatggaaa tcgaaacatt 180

catatgtag ttcaaaaaga ttcgtttgct ttcatcattc ttttattatt atttcaagaa 240

gatcaacctt gttaataatt ctacctcggc caagttctca tcgggagagc tatttggtgc 300

agtgagattg gacgcagcag ctgtgttgta ccggaagatc cttagttttc cctcctgaga 360

taaatattga gcaaatatca atacaagtca acattttagc gccgagaagt ttttcacatt 420

acgatttagg attaattacc ttgttccat agacaagacc tccccagga gaaggatgaa 480
agcaagcaac attaac 496

<210> 1258
<211> 389
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710066d07b1
<400> 1258

ataaacaaaa ttcaataaat aatTTTTtag taattattat gttatttatt aattcacctt 60
tctggttacc atttaccata atcattttgt tcaattccta tgttcctctt ggttcctact 120
tatggccatt ttctTTTTTT cttgttcctt ttgttattt ttcattcata ttcctatcgt 180
ttctTTTTgtt tatcaccaat cagagtctta aaagtaatta ccaatcaca aagttttacc 240
aaaagcatca ttcttagtct ttattttcaa agttaatttt caccgccttt aactattccg 300
atattgctta taccttcttt tacctataac aaacttgtat ggTTTTgtat caccaatggg 360
attaatgtat atttgagggg gggggggggg 389

<210> 1259
<211> 505
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710066d08b1
<400> 1259

tgtagatgaa atacaataaa ttagtttcca caaccagagg aatacaaaaa ggaaccttcg 60
tttataactc aaaaacaaag aaagaattat taactaaaag aacaagcaac ataccttgtg 120
ccttgatcta cagaatttat tgaattcttt gggTcttttc ctcttagata ctggctttgt 180
tcctcagagt actcctgaga gtcactgtca ccacctcct gtatgaacca tataagggtt 240
tagtcttcca caaacgtttc acaaaatcaa ctgcattttg caatgggtata tttctcatag 300
tataagcatc cagtgagact atgctatgga cagtttacca agctccatcg taagtactaa 360
gatatcaatc ctaactgcat caaaaggaaa aaaatctgta acaacaacta caaacctctt 420
ggaggggaagc tgctttggct ctgaaagatg cctctaaaaa ttcagcctct ttcttgagct 480

tccttatctt ttctaggtca gagca

505

<210> 1260
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl115710066d09b1

<400> 1260

taggaaaata taaaattaat caagaaaaat agacatgaaa aacatactac tccatatgtt 60
tttgtttggc caataaagag actaactaag ctaatatcta actaaaaaag agttttattta 120
ttatcaatth tataactgag caaattacta atctattatg caaaaagata ttcttaatta 180
ataagatgga ttctactaat tttgataata gatatttgat tcatatatag tgaaaaataa 240
aatgacctt tagcaatcat taaatthttg gtcacaaaat actaacattt ttctthttctg 300
gcatagcata aattaactth agatagthttg caataatctt aaggatcaaa agataataga 360
tacaatthtat gaaaaaattg ttcttgcaat gtaacaaaaga tcacctaaa 409

<210> 1261
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl115710066d11b1

<400> 1261

cctgcaaata tagggthttgt gtattcagac gtgagaactt acacagtcta taatgaaaaa 60
gggggcgtgt tgtgcgaaag attaaataac atctatacac aaaatagaaa aatgttagct 120
aacacttcgc caactatgat ggataggtct aaataaacta tgaatgcttg ggatagatca 180
tagcggtaat aatactagca tatgcctatg tgaacaaaaa catatattat taattaaaaa 240
atatagatat gttaatgg 258

<210> 1262
<211> 569
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl115710066d12b1

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<400> 1262
tttatcttgt ttctaatttc ctcttgaatc tgcatacagtg tccttcgtta tgttcctttg 60
gaatcacttt acccatctct agctctagga ttctattgcc gcgacaaagg tattgtatta 120
ctacattctc tgaaaccaa agtttttaaa ttctgtaact tgaaaaaacc tttccctaata 180
cttcaacaga tgatttcgac gatttctgtc tccgagcatt gaaactagct gaggaatcaa 240
acgggtgctcc attgttcaca gtgactcaaa cccacacagc gataaaccaa agcaactacg 300
ggtttgcgga tgacgacagc gaggatgaac gtgaagatga ctggcaaagt ctctgatcat 360
gatcatcgtc aaacatttta acaatctcaa gctacaattc ttttttctct tttgttaacc 420
agttctttgt tttttatatg tgttggtgta tattacatca gatcagaaca caatgttgta 480
ctataaaatc ttttgggatt ttcaaacata gattgaagca tgcgaaaatg gaagagtaga 540
gaaatcaciaa ggtatatgaa catgatgac 569

<210> 1263
<211> 392
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710066e10b1

<400> 1263
ttgggtttat ctcaagaaga tgagccacaa tgtctgtgat ttcttgggtct ccatttggca 60
ggcgatgtct gaacgatgtt ctttttggtg tcagggtactc caatctgttg ctttctgaa 120
caaacaattt ttccagagag aatgttcttt attagcatat gtgtcttcca ttcaacttaa 180
gagttgcaga gtttttggag ttcagggaat gttcctttta ggtctctgga aacactaacc 240
tgggtccgat catagagcat tcggcttttt gtgaaatatt tgtgggaatc acgtaccttg 300
gtaagcattt cattatcgaa agatcctacg atttccatat cccttgctag caaactggcc 360
ggcgaatcat tctggaagag aacctgcaaa ag 392

<210> 1264
<211> 509
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710066f08b1

<400> 1264

agaagtttat cttctgttct gttatgattt tcattgatac ttaacgaacg ttttaagcagt 60

tttaacgatac ttttccctga attttcaccg attttctctt aatttcccg aaattttaca 120

taagaacgac atgttttagtc tgttcttttc ttttgaatct cccgaggcag gtacaactct 180

aaatattcaa gttatgtcac tgaagaagat ccaaacgaca taaatcatac gtcaaaacat 240

aaaagaacca acgcgtttct tatgaattct gtttcagctc atggtaaaac ctagctcctc 300

tgtttcctct gtttctatgt ttgctctggt ttctcttgtc ctctgtattc ttattcattg 360

cttgtaacac aaaaaacctt gtttctttca acgttttctc tcccttctcc tcccagatct 420

aagattacta gaggtagata aagagaagca agaccccaaa tcaccaagag gagccctcga 480

agcctgctta actcgttgct caatctctt 509

<210> 1265

<211> 404

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710066f11b1

<400> 1265

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ttatagctcg tttagactag atggggatc cctacatagc ggggtgggacc cacggcgaat 120

ggttcatcaa gtcttcaaaa aagaatatat acgattgcat tgcataattct aacggatgct 180

atcataccat cactaatgca ccgatccca tcataactcc gcagttaagc gtgcttgggc 240

gagagtagta ctaggatggg tgacctcccg ggaagtctc gtgttgcatc cctcttttat 300

gtttaacctt tttttttttg gttaaaactt tatgactcca taacttttaa accgtgaggc 360

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<210> 1266

<211> 499

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710066f12b1

<400> 1266

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 tcagtagata taaaactctt tctaagaagt tatttatagt tttttatgtc actataatta 120
 aaaaatatat taacatagcg tcactattct atagcttttt aatttattgc tttgttgaac 180
 acattacata taaaatctat tgcagaatag atataaagaa catataagat gctttacaat 240
 gatattacat gaaacatggt attataaaaa attaaagttt ttaatttgtc ccaaacatac 300
 atgttatgtc ttctctctct caagatgtat acatagatga taattagata acaatttaag 360
 caatgtaaag gacaaaaaag aatccaagta gaaaattgat accagcgctt ctatTTTTgt 420
 acatgaagtt cttagaatgt tatttgtgca ttttgtcttg tactatgttc cttttgggct 480
 gctgcaatac actcatgtg 499

<210> 1267
 <211> 567
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710066g07b1
 <400> 1267

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 tggactatag cttgccacaa gtatagtga attattaaaa gagaaatgat tttcacattt 180
 cgttaattta aataaattta aggaaaacta agcaaacct accaatgttg aaagaacaat 240
 aaaacactcc actagtctta ttattaaaaa gagaaacaaa gattctttaa agaaaccaa 300
 taagctcgac cctaaatttt ctcttctctc ggcaagtagt atctattctt caaccaaata 360
 gagtctgcaa taacagcttc gtcttcttta tttctatgtc aagtgtaatg tgcattgggtc 420
 ctgtttttta tttccaaaag ggcgtgtccg aaactcgcct ccctaaacgc cgagtaactt 480
 ggttggggat cggtgaaact atatgaaaaa taaataatct taatcaaaca attcacaaaa 540
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<210> 1268
 <211> 534
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066g08b1

<400> 1268

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tctggtttag gtggacaacc cggcaaatac acatctacag gaattagctt atcaactcct 180
cgaacagtac tataagaatc ggtactgaac atccccctg taattgtaca ggctcccata 240
gcaataacat acttcggttc aggcatttgc tcatataatc gcactaaaga aggagccatt 300
ttcattgtta ctgtacctgc tgttaaaata aggtccgcct gtctaggact cgatcttggc 360
actaaccat aacgatcaaa gtcaaatcgg gagcctatta atgaggcaaa ttcaatgaaa 420
caacaactgg taccataaag aagcggccat aggctggaaa gtctcgacca atttgaaaga 480
tcatttaacg tagttgaaat aacggaattt tttgttggtc gatcaagtat ggga 534

<210> 1269

<211> 368

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066h08b1

<400> 1269

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ctttccatcg tcgtatgtaa cttcaacagg ctcaatctca aattttctgg cacaaaattc 120
tgagaagggt gcaacctgga aaacgctaaa tgattagtta gctattgatc agctagcact 180
gtaggtttga tttggtaaca acataccatt gtattcaaaa caatcttggc cttcgtcaaa 240
tcagttgcag tacattcaat gaagacattc tttgtctgta aggaattgc tgaaagtgc 300
ccattgataa taggtggcaa tgacagcaca gttctgcaaa agtgagcttt cattatgtgt 360
cagtacgt 368

<210> 1270

<211> 466

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066h09b1

<400> 1270

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aaaatcgccc ttccgctgta agaaaaaaaa cattaatctt agatgtcaag gctaattaat 120

tcagttgtat caaacatcat tacaccaagt tctctgcctt tacatgtgaa agaacacttt 180

tgtttgtttg ttattagaaa aaaatcataa cgccaaatgt atatatactt ttattttggg 240

tgattatttg attcttatct tcattaaaat ttgcatgcag ggcttaaaag cactagtaga 300

gaaagtcgtg gataatttac gcgttaatat gatagtattg ggtggcctgc tatttaagaa 360

gatagcagta acatcgctgc agccgatcgg atgccttctt tcttacacct ctgcatcctc 420

gttcaagagt tgcaacgagt cacaagatgc attggtggaa ctacac 466

<210> 1271

<211> 435

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710066h10b1

<400> 1271

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gagatctgca agaatcagtg agaagactaa ggctacgccg ataccaaata aagagccacc 120

caagaagcga ggtagaacca aatctgcagt gtcaaagaaa gatgcagaag gtgagaaatc 180

agagggagga ggagaggaaa actctcatgt gaaagatact gaaatgaatc ctccagaggg 240

aatcgcccag aatgaaaatg tgaccgataa gaatggctcc ggtgaaactg agagggtgaa 300

tgatgcaaaa gaaaacattg ttgctgagga aactccaaat gctgctccag ttcaagaaga 360

gggtgagtcg atgaaggaga aagctctgga ttctgttgat gataagagta aggagactga 420

caaagaaaaa gatac 435

<210> 1272

<211> 436

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067a01b1

<400> 1272

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gctccaaaac actaaccaag cttcttcttg cttctaaaag cttggatggt ttagtcgaat 120
tccgtatgag tctttgtcta tgtatcttct aacaaggata caatatttag gcttttaaga 180
tccgttgagg ttctagtttt tatactcact catacacatg acatcaagtc atattcgact 240
ccaaaacact aaccaactgc ttcttgcttc tcaaagcttt gatggtttag ccgaagtcca 300
tatgagtctt cgtcattgta tcttctaaca atgatacaat acttatgctt ttaagatctg 360
ttgcggttct agtttttata cggagtcata cacatgacat caagtcatat tcgaatccaa 420
aacactaacc aagctt 436

<210> 1273
<211> 472
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710067a02b1
<400> 1273

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tctgtttctg gaatcagaag accatcgctc tctagtagct caagatcaac gagtagacct 180
cccacgccaa ccagaaagtc taaaactcca gccaaaaggc catcaacgcc gacctcacgt 240
gccacctcaa caactacacg tgcggcatta acctcgctct ctactactag ctcaacaaga 300
tcatggagaa gaccttcctc tagctccgga actggaacct cacgtgttac cttaaccgct 360
gcacgtgcaa ccagtcccac cacctcaaca gaccaacata ctaccgggtc agccacctct 420
actcgatcca ataacaggcc gatgtcggct cctaattcaa aaccgggatc ga 472

<210> 1274
<211> 514
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710067a03b1
<400> 1274

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 tgcagcttga acagaatggg actgagcggg gtatctctga ggctgtgctc tgttaacagt 180
 tggcccaatc atctgcagga aaatggggtg caagtggaag aatgattcat ccatggcaaa 240
 acaaacaaaa gttggtggca gaaagtatat ggaagcattt taacagtaca gacaaagcca 300
 tatcaattca gaatgatctt ttaatctggg gttcaatact aacatttatg gttgttaacc 360
 attcaggcgc ttagtggtga gaggaacagt ctattctcaa ttactagttg ataaaagccc 420
 tttgacataa catgcttgaa gagagtaaga taatacttac gtgttgagga aattgaaatc 480
 caccgacagc atgtccagcg gtcacattac cata 514

<210> 1275
 <211> 460
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710067b02b1
 <400> 1275

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 agctcaggac tacgtcacct gaagccattg aagaacttga gatctctgac cttggagtcc 180
 tgcaagctct ctgctaata gaacaggaag cttcaggcga ctgatctgcc aaacttggtc 240
 aacttccgtc ctgaataaaa taatatgttc aaaggcaaata tcacgaactc tgtaaataga 300
 tcgatctcct ctggtctcag actaagacac tgctcttaga tatatcgtca aaagctatgc 360
 tcttcttcgg attatttgct gaagaaactg taaataaagc ttctttcaag ctatggccgg 420
 acgaaagagt cctccatggc tcttctacgt ggtcagcttt 460

<210> 1276
 <211> 357
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710067b03b1
 <400> 1276

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tatctatata aaatacagtt tttttgaatc cttttttttt tatgaagagg cctgttttga 120
 gtttgggctg ggctgaattg tttttacca ccacatcatt cctaaggata attatacagt 180
 aaccctagaa aggtttcctc caccttcctt tttccctcct atataaaaaa aatcgacatc 240
 gtttttgctc actcttctct cttaggtttt tttcccttc tcccaatctc atcttcttcg 300
 aaaacctttc ttctttcaaa tttctgtgaa aacatgtttg acgacgagca ccacttt 357

<210> 1277
 <211> 494
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067c02b1

<400> 1277

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 ctcatattgta tatttggtgg aatctggcat atcttaacca agccttttgc atgggctcgc 120
 cgcgcaacttg tatggtctgg ggaggcttac ttgtcttata gtttagctgc tttatctgtt 180
 tgtggtttca ttgcttggtg ttttgtctgg ttttaataata ccgcttacc tagtgagttt 240
 tacggaccta cggggccaga agcttctcaa gctcaagcat ttacttttct agttagagac 300
 caacgtcttg gagctaacgt ggggtctgct caaggaccta caggtttagg taaatactta 360
 atgcgttctc cgactggaga agttattttt ggaggagaaa caatgcgttt ttgggatctg 420
 cgtgctccct ggtagaacc ttttaaggggt cctaacgggt tggacttgag taggttgaaa 480
 aaagacatac aacc 494

<210> 1278
 <211> 465
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067c03b1

<400> 1278

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 gcatcgctat aacaatcctc caatctacat tcttgaaaat ggtacacttc attctctttt 180

gtcttctggc tctgtttttg tctacttgaa agcaaactt cttgttctta agattcttca 240
aatcgacccc gaaaacaaaa acagggtcac cgatgaaaca cgattcgatg ctacaagaca 300
caccaagagt tgaatacatt caagcttaca ttgggtgctgt cctcaacgct atcaagtatg 360
gtcatccttt ttcaaatttt agtcctcacg ttaatatatt tgactgatcg gtggtttagt 420
ttcggtttac ttgactctct ctttgtgaca aataatttga ctgat 465

<210> 1279
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067d01b1

<400> 1279

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tattattgga tttggaactg gggctgaggt agaaaagaag ctgaagtatg ctgaagatgt 180
ttcttacggt gtaattttcg ggagagagct cattaattct cctgccaatg tgcttactcc 240
tggtatgaat tgttgtcatt tatgaaatca aatattttcg tgtttgtgtg gtgttcgctg 300
agttttccta aactgctttg atttttgtat cgtttcagct gtactagctg aggaagcagc 360
aaaggtggct tctacgtaca gtgatgtctt cactgcaaac atcttgaacg aagagcaatg 420
cagagagttg aagatgggtt cttacct 447

<210> 1280
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710067d02b1

<400> 1280

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atgggtatgc aggagccatt attggcatat gatgatagcg gtcacgacga ttttttcgtg 180
ggtcccaaac aggaaagcta aggtcatctt cttctattgc acaaagcacg actggattcg 240

gccagcgcca ttgtgtatat actctaaaaa atcgtgaaac caacatacta ggaatagcat 300
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 cagttacctg ctcaatataa cagagattac aagagctgta acctaagaat attgtcaaca 420
 gatgtgatat tcagaaagac accaccttac att 453

<210> 1281
 <211> 139
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl115710067d03b1

<400> 1281

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 tatctgttgg aatatatcc 139

<210> 1282
 <211> 459
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl115710067e01b1

<400> 1282

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 ttcttgcctt tacactcacg gcagcaaccg gacagatctt ctgcggtatg acttctactt 180
 gtctgaactc ttgcaagccc tatgtgtagg ctaggaaccc aatgaccacc ggaattgatc 240
 ccttggggccc ttgctgcaat gccctgtcca aggccgattt ccagtgcctc tgtaagcata 300
 aagacagtat caatgtccgt gatatcgagc tttgacctcg ctgagaaact cccggagaag 360
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<210> 1283
 <211> 515

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<212>          DNA
<213>          Triticum aestivum

<223>          Clone ID: uC-tsfl15710067f02b1

<400>          1283

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taggattggt actagaaacc caccatcatt ataatctggc ttgactttgt tgtttttgtg      180
cacatcttga ttgctagcaa tacagtggac tggattgaca cctgtataa ctgcatcgac      240
atgttttgtgt tttaggggaa ttgaactgaa tcacacattc accataagca gacctgaaaa      300
acctgtttat caatttggcg ccattgccaa ttcattgttg cattgttaca ttcaagatat      360
cagaaacttt taagatcaag ttctttttaca tttatcaagt tactaactca tattttcgtc      420
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<210>      1284
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<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsfl15710067f03b1

<400>      1284

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atcagttctg taccatcatc cctttcacac ttgatgcgtt tgagaaggtc tagaatttga    180
ttaagttcat cacattccaa aaagcagata ctctgaggtg tttccactaa acggcactcg    240
gtagtaatag tgttctcgga aacttcaaat tgtgcgataa gatgcttaac aggaaaccgc    300
atcatccagt ctgaataact acaagagaga attttacgct ccaacaacaa cacaaggagc    360
aatcggattt ccttgagtaa ctctctgcgc tcttcatctg cagctaaagg ccattctttg    420
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<212> DNA
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 <223> Clone ID: uC-tsfl115710067g01b1
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 gccaatcgga cctccaata agtctattgg aattggctct gtatcaatgg aatcttctca 180
 tcatctatac ataacgaatt ggtgtggtat attcatatca taacatatga acagtaagaa 240
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 aatatgcagt atttacagac aaaagtattc ggttattggg gaaaaatcaa tatactttta 360
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<210> 1286
 <211> 443
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl115710067g02b1
 <400> 1286
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 gtgggaagag cagacaaccg agattcagca acaatgtaca cttttccagt gttcttgta 180
 cgaaccttca catagacaaa cttcgcatth acacacaaag caagattgct tggaagagtc 240
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 gtcaccatga tttcaggatc agggacttcc tgtacataca cacattctac caatatcaga 360
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<210> 1287
 <211> 478
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl115710067h01b1

<400> 1287

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attctacatg ttaggccaag gaggtctctc tagacaatgc atattcagac caagaaatag 180
aaaagaggtc atcagttgta ttgttcaatg cctcaaagaa agaagtgaaa caagaatcaa 240
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ttttcagata caacccaaaa ttcaaatac cttcgacgaa caacacttct ttacatgagt 360
tgagaccaat acaaatccaa gaatccatct ccatgaactc caacagacaa aagtctccag 420
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<210> 1288

<211> 478

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl115710067h02b1

<400> 1288

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aagtgggagg atagtaactt gaagcatatg agccaaaagt caaactatct aaaaatacac 180
caaaggagct tgagattgat taggtaattt aagttagtta ttctcacggt ctttaactat 240
atagtagtgc ttatttcctt cctagcatta agttgcagaa aaaacagaga agtagagatt 300
ttttctcttc tcttcaaatt tcatagttca ttaaaatttg tgtgttgaat gaggcaatct 360
catgtttaag attgttctta aattgtcctc tgagtgattc tagttggttt tgtcttttga 420
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<210> 1289

<211> 495

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl115710067h03b1

<400> 1289

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acatagtgga aaacgactca ggcgattcca taccaatctc ttgataatct gaatacacag 180
actccaactc tctaacagca atgtaaagca acaaaccaca aagcaacaat ccccaaagag 240
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ccctctctga gtccttcttc gagcttgaaa acttatcatc attataattc tcaactcaaca 360
aactccaaa tacaacagtg ttagctaaag gccaacctaa attccccaaa gagacactat 420
catcaccact accagagaag aagaaactcc aaatagcaag tgggaacaac aacacagtgg 480
ttagaaacaa agaca 495

<210> 1290

<211> 372

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068a01b1

<400> 1290

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atcccgcgaa accatttttag agaagtccat ttgatatctt ctttttctaa agcaaatega 180
cttcgattct tgaataatcc acatcacttc tgtctctatt gtaacaaaag attccctttt 240
tatgtggaaa aggcccgctt caataattct gattttacgt ttacgtatgg acaattcctc 300
actatctcgt tcattcacaa caaaacattt tcttcgtgcg gtggtaaaaa aaaacatgct 360
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<210> 1291

<211> 343

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710068a03b1

<400> 1291

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 ctgaagcctc aaaaaagtca cgaaggaagc agaaagctgc atatggtttc aaccagccct 180
 ttcaaagata acaaaaatcc gtaagccaat ggaacgctga cgtggcctta ggaggcataa 240
 gttctatgca gacaattctt aagagatatc aaggaaacaa tatcagattt tgaagcatac 300
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<210> 1292
 <211> 433
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068c01b1
 <400> 1292

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 aaatacacac cccacatgta gtgggattaa caataacacg ttttataaat tttaaaacaa 120
 atggatttag tattagttaa cgttttacc attcccgctg acttttctca aaaatgttct 180
 ctcatgtcaa aacaaaataa gaaagaaaga tggtaaacc atgcatttca cacactaagt 240
 atttgggtaa acattcatgc accatttgaa tttcaactct agtggggatc ttcataatat 300
 ctctcccata acccctocca tacgaattct ccagacgcct atctatctat ctattattat 360
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<210> 1293
 <211> 344
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068c03b1
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 acatgtaa atgtgaccgcca cagttcttta cattgtgtgt aaccaagtct ttggatttga 180

ttctctttcg caaatatcac accagtattt gccgcttgcc ttttcttcac cataacaaag 240
 agtgagtgga tgatcattat acctgggaag cattaccgtt aatgggtgag tggcacaacg 300
 gaaatccaaa aagtaatctg atttggtaca acctatggcg actc 344

<210> 1294
 <211> 155
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068d01b1
 <400> 1294

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 tgggtgtgat gttgctgtgt cttgtttgat gggaa 155

<210> 1295
 <211> 317
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068e02b1
 <400> 1295

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 cttgggttagt gtttcggagt ccaatataaa ttgatgtcat gtgtatgatt gagtataaga 180
 acttaaaccg caaccatagc ctaatagcct aagtagtggt tccttgtttag aagatacaaa 240
 gataaagact catatggact ttggctaaac catcaaagct ttgagaagca agaagaagct 300
 tgggttagtgc ttttgga 317

<210> 1296
 <211> 494
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068g02b1
 <400> 1296

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 ttgtatgttt cagtgaacaa agttgaagat aaatactttt taaaagtact atactgaaat 120
 gctatattta ttatatattg ttaacaatat ttaattaaaa atccgaatgt aattattttc 180
 tataaatttt tagatttaat ttattagaaa tattctctta tttctatatc gattatagta 240
 aaaaaacttc acaaattctc ttatataaaa tacactttta ggtgtaataa gttaaaccag 300
 tgtgttatac aaaaacttaa agcttaatag tgtctacaga aaaaataatt atgcaataac 360
 ataatttctt atcttatctc atattaaaac ttctgaacta attatcccggt gcattaacac 420
 ggatcattac caaggtttgt aatcaaaatt accttgtttt aattaaatta taattttaga 480
 tttaaaataa atag 494

<210> 1297
 <211> 382
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068h01b1
 <400> 1297

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 gagcctgccc atggtcaaga tcaggcaatg cctggtgccc aggaccgaaa tagaagggtc 180
 tgatatcagc acacccatcg aagagctgaa gcagcagttt atcactaccc aactcagtaa 240
 gctgatcgtg tatgatgata atacgattc catacaaggg tatgtgcacc agcttgacct 300
 gttcaggaaa cccggttcca tcaggagat cctgcacccc atcatggctg tttcggaag 360
 catgagcgct accgacctga tc 382

<210> 1298
 <211> 397
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068h02b1
 <400> 1298

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tacagaagag agccccctcg gaaaggtcta attttagggg aaccggaagt atgaaagaag 120
 taaaggagaa ggaggtatatt taaagaagaa gtggttgaa actatggacc tcaactgac 180
 tgttctctct tgtggttttg ctacatatcc tgcattcgag actattcggg aaccctaaat 240
 actttaactc caccacataa aaaccaaatt cccctttcat accaagctcc gtctaccctg 300
 acaccttcaa aagagaaaga ccacgcaaaa catttcaaag aatgtaaaga gttgactaac 360
 gtgaattcaa agttctgtag gatcaaagcg gatggac 397

<210> 1299
 <211> 485
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710068h03b1
 <400> 1299

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 tcttgattta cagtaataga atttgcggcg aatttttggt ttaaaaaaac catgattatt 120
 tttttgtcat tttttttcat cggttgatat gtgaaacaat ttattttcac tttactgtag 180
 ctttttgcta tttaaagtta cgcatagag ctcttttagt aatttataaa taggtgatat 240
 agtatatttg gaagaaatat aaatattgac cggctttttt tattagtcta attgggttaa 300
 ttaattcaca tacaacaaa ataaaataat aataaacctc gatttttgaa gaaatgtaat 360
 ttggattcct aattgtaact tgtaagtagt aggtccaaat ttttattagt acatgatgtg 420
 attaaatcct tgaaatcatt gtcatttca tatagaagaa aagctgagat ttattattta 480
 ttata 485

<210> 1300
 <211> 489
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710073b01b1
 <400> 1300

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gggaatctgt ggcgcgcccc ggagggcgatc gtggggagca gccatgagcg aggtattcga 180
 gggctacgag cgccagtact gcgaggaatc cgcttccttc tcccgaagt gcaccgccgc 240
 ctccgctctc gatggagaga agaagaagca gaggctctcc gagatccagt cgggcgtgca 300
 ggaagctgaa tcgctgattc ggaggatgga cctggaggcc aggaatacgc cgcctagcgt 360
 gaaagcgggt ttgctagcta agctgcggga gtacaaatct gaccttaaca acctcaagag 420
 cgagctcaag aggatctcgg cgcccaatgc caggcaaact accaaggagg agcttcttga 480
 gtctggcat 489

<210> 1301
 <211> 84
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710073c02b1
 <400> 1301

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 aatgctgcgt tccgggtatt taca 84

<210> 1302
 <211> 326
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710073c11b1
 <400> 1302

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 gccccagggt tcgacgccga cgagcagccc aagtccaagg agtggctcga cgcgcgcgac 180
 cccgacgagc tcgaggagct cgaggacgaa ctcgacgatg accgcttcct cgagcagtac 240
 aggaggatga ggcttgacga gctcaaggag gcagcaaaaa ctgccagatt cggcacagta 300
 cagcccatca caggctctga ttttgt 326

<210> 1303
 <211> 268

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710073d06b1
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 ctccgtctcc gtggaggcca gtaagctcct ggccatggag ctgcttttgt ctctgggttc 180
 acaagtctcg tcttcggtgt ccttaaggag tctggtctat gtctgtcggt gcctgaactg 240
 tctttgtttc tataccgtac tatgatgc 268

<210> 1304
 <211> 181
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710073e12b1
 <400> 1304
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 cggaatttct cgagttgacc tgcataatc aaattaataa atgttgtatc cttgtatgtg 180
 t 181

<210> 1305
 <211> 342
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710073f03b1
 <400> 1305
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 ccccgaagga ggaggacgag ctgcgcccc cggcttttggg tgagggtctaa agtcccagta 180
 gagcaagcag accatgaaac gtcacatcat tttggtcgta gctagttttc tatccctgtg 240
 ataagcgagg gctatgcaac gcttggttac ctattttact ttttaatgga caaaagtttc 300

tgtgtaatgc tgctatgtta atttcgttta aactaagttt tg

342

<210> 1306

<211> 383

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710073f11b1

<400> 1306

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gcgccagaac cgccccatcc cctactggat ccgcatgcgg accgacaaca ccatcaggta 180
caacgcgaag cgcaggcact ggcgccgcac caagctcggg ttctagatcc ggcccggccg 240
accgccgcgt gggggagcca tggctcaaga gttatctgca ttttgtttta tggacgtttc 300
agtgtttgtt atgcaagcta ggaagtgatc ccaggatgtc tctgttatca atttcttcgt 360
gttatgagga ttgcttgtag cct 383

<210> 1307

<211> 502

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001a04b1

<400> 1307

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ttttatagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgcacac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggttctgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cg 502

<210> 1308
 <211> 441
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001a06b1
 <400> 1308
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 aaatcccaaa acctttacta gactttttct gcttcttttag cttacttcac ctagagtctt 180
 ctaccttttc ttatcattga atcaaccctt tttttttttt cttttaaaca catcccaacc 240
 caaagtataa ggcgccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300
 agacactatc tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac 360
 ctcacaaaca ctcacaagtt atatagggct tgaaagaaag tctagggttg ggtttggggt 420
 aactgctcta ataaggagag t 441

<210> 1309
 <211> 405
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001a09b1
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 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcgggaata 360
 agacctcaca aacctcaca agttatatag ggcttgaaag aaagt 405

<210> 1310
 <211> 405

<212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl5710001b04b1

 <400> 1310

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acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc  180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa  240
cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca  300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag  360
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<210> 1311
 <211> 468
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
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 <400> 1311

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gccagatcc caatgacgag ctgctcgacg atgtccacca cgttgcagtc gcgccatggg  180
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tcctcgctct cgacgttgct ccccttccgc tagacanegg tgttcgtcaa cctggagagc  420
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<210> 1312
 <211> 521
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710001b09b1

<400> 1312

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caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
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gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcaciaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt ggggttcgggc 420
taactgctct aaaaggagag tcagctactt ggattaaaag agtgatcaaa atgaataaga 480
aaatccaagt attttacggt atccatgagt tcaaatttga t 521

<210> 1313

<211> 512

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710001c05b1

<400> 1313

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acctttacta gactttttct gcttctttag cttacttcac ctagagtctt ctaccttttc 180
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tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360
ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggttctgggt taactgctct 420
aataaggaga gtcagctact tggataaaaa gagtgatcaa aatgaataag aaaatccaag 480
tattttacgg tatccatgag ttcaaatttg at 512

<210> 1314

<211> 401

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001c07b1
 <400> 1314
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 caaagtataa gcgcccacct agtcctatct agtcggaaaa atgcgaacta gaactacatg 300
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<210> 1315
 <211> 534
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001c08b1
 <400> 1315
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 gagacactat ctctgtcggtt acgaacctaa cactttctac caagcttaat cgggaataaga 360
 cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggc 420
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<210> 1316
 <211> 440
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001c09b1

<400> 1316

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acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
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<210> 1317

<211> 244

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001d05b1

<400> 1317

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cgaaccccg tgcacatggcc tgggtccgtg cgccggtact gcgatccggc gacttgctcc 180
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aaca 244

<210> 1318

<211> 482

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710001d06b1

<400> 1318

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gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180
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gc 482

<210> 1319
<211> 481
<212> DNA
<213> *Triticum aestivum*
<223> Clone ID: uC-tsfl5710001d08b1
<400> 1319

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gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120
agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180
gaatgcgaac cccgtcgaca tggcctgggtc cgttgtgccg gtactgcgat cggcgactt 240
gtcccattcg accatccagt tctgcacctc ctgcgcggcg cttcagagct tcgccgtgac 300
cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct 360
cgtcctcgac gttgctcccc tccgctaga cacggtgttc gtcaacctgg agagcgaatt 420
gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga caagcccca 480
t 481

<210> 1320
<211> 431
<212> DNA
<213> *Triticum aestivum*
<223> Clone ID: uC-tsfl5710001e04b1
<400> 1320

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aagaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg cccagatccc 120
aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc cccgaatgcg 180
aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga cttgtcccat 240
tcgaccatcc agttctcgcc ctctctgctg gcgcttcaga gcttcgccgt gaccctgcaa 300
caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat cctcgtcctc 360
gacgttgctc cccttcgct agacacggtg ttcgtaacc tggagagcga attgacaaaa 420
cggctggaga g 431

<210> 1321
<211> 401
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl5710001e05b1
<400> 1321

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ttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtccat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa a 401

<210> 1322
<211> 308
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl5710001e06b1
<400> 1322

caacaacaac aactagttct accgcaacaa caaataccat ttgttcatcc atctatcttg 60
cagcagctaa acccatgcaa ggtattcctc cagcagcaat gcagccctgt ggcaatgcca 120
caaagtcttg ctaggtcgca aatgttgag cagagcagtt gccatgtgat gcaacaacaa 180

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggt 415

<210> 1325

<211> 417

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710001f06b1

<400> 1325

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ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120
ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
agagtcttct accttttctt atcattgaat caaccctttt ttttttttct tttaaacaca 240
tcccaaccca aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg 360
aataagacct cacaacact cacaagttat atagggcttg aaagaaagtc taggttt 417

<210> 1326

<211> 485

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710001f07b1

<400> 1326

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actgacggca ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg 120
attctaacct caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt 180
gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctgggtc cgttgtgccc 240
gtactgcgat ccggcgactt gtcccatctg accatccagt tctcgccctc ctgctcgggc 300
cttcagagct tcgccgtgac cctgcaacag gtggccctt cgaagctgtc cagccacagc 360
cgcagcggca ttgagatcct cgtctctgac gttgctcccc ttccgctaga cacggtgttc 420
gtcaacctgg agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag 480
gacca 485

<210> 1327
 <211> 467
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710001f08b1

 <400> 1327

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 ttgcacattt gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtgcgcg 180
 catggggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcat 240
 ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
 agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttac 467

<210> 1328
 <211> 203
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710001f10b1

 <400> 1328

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa gggggggggcc ttt 203

<210> 1329
 <211> 491
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710001g05b1

 <400> 1329

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 ttgcacatgt gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcttcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
 agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480
 caagccccaa t 491

<210> 1330
 <211> 488
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001g06b1
 <400> 1330

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 ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgctcccc ttccgctgac acggtgttcg tcaacctgga 420
 gagcgaattg acaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
 aagcccca 488

<210> 1331
 <211> 103
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001g07b1

tcgccgtgac cctgcaacag gtggccccc cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcttcgac gttgctcccc ttccgctagc acggtgttcg tcaacctgga 420
 gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttac 466

<210> 1334
 <211> 517
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001h04b1
 <400> 1334

cactttgtta catctagcgg atttggattt cttaacaac taaggttcct gtttttaaca 60
 ttttaaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggttctgg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatcttac ggtatccatg agttcaa 517

<210> 1335
 <211> 405
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710001h05b1
 <400> 1335

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 ttttaaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaaag ttatataggg cttgaaagaa agtct 405

<210> 1336
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710001h06b1

<400> 1336

ggattccttt aacaactaag ggtcctgttc ttaacatttt taagccaagg gcttttgccc 60
atcttcaata gctaacaaga actgtttatt tgggtttacaa atcccaaac ctttactaga 120
ctttgtctgc ttcttttagct tacttcacct agagtcttct accttttctt atcattgaat 180
caaccctttt ttttttttgt ttgatacaca tcccatcca aagtataagc gccacctag 240
tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctg tgtcggtacg 300
aacctaacac tatgtacca gcttaatcgg aataagacct cacaaacact cacaagt 357

<210> 1337
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710001h07b1

<400> 1337

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ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
caaagcgcgc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
catgggcccc gaatgcgaac ccgctcgaca tggcctggtc cgttgtgccg gtactgcgat 240
ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
tcgccgtgac cctgcaacag gtggccctt cgaagctgtc cagccacagc cgcagcggca 360
ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttt cgtcaacctg 420
gagagcgaat tgacaaaacg gctggagagc ggcgagggca cctttttacaa ggaccatccg 480
acaagcccca at 492

<210> 1338
 <211> 468
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl5710001h08b1

 <400> 1338

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 ttcttggttt taacatttta aagccaaggg cttttgccca tctccaatag ctaacaagaa 120
 ctctttcttt tctttacaaa tcccaaaacc tttactagac tttttctgct tcttttagctt 180
 acttcaccta gagtcttcta cctttttctta tcattgaatc aacccttttt tttttttctt 240
 ttaaacacat cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg 300
 cgaactagaa ctacatgaga cactatctct gtcgttacga acctaactact ttctaccaag 360
 cttaatcgga ataagacctc acaaactc acaagttata tagggcttga aagaaagtct 420
 aggtttgggt ttgggttaac tgctctaata aggagagtca gctacttg 468

<210> 1339
 <211> 466
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl5710001h09b1

 <400> 1339

 tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
 ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcggcc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgtcccc ttccgctaga catcgggtgtt cgtcaacctg 420
 gagagcgaat tgacaaaacg gctggagagc ggcgagggca cctttt 466

<210> 1340
 <211> 154
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710002a10b1

 <400> 1340

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 cgcgatgaag cgtgcgcatg catgcatgca cctgggtttcg tttgtacaac catgatgtaa 120
 agtacgaagg ttgaatgcaa aagtctgttg ctag 154

<210> 1341
 <211> 60
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710002h10b1

 <400> 1341

 cccacgcgtc cgcccacgcg tccgcccacg cgtgcgccc cgcgtccgcc cagcgtgctg 60

<210> 1342
 <211> 354
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710003b06b1

 <400> 1342

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 ctattttaca tgattcacat aatcttctgc gtgtggtcag ctgctctcc cccattccct 120
 ttcaaaggaa attctttgac tgggattttg cctgccattg atgtcataac caagagcctt 180
 attgttggga tattttactt tggttgattt ggattgttct gccttgaatc actgctgagc 240
 ataggtgtca ttcagcaagt gtacatgtac ttccgtggaa gtggaaaatc ccaggagttg 300
 aaacaacagg cagcacgtgg tgccctgagc tctgcgttct gatgaagaaa acca 354

<210> 1343
 <211> 223
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003b09b1

<400> 1343

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ttcttcctgc gaggatTTTT gtaatggtaa tattttcctg tgttccaaaa tccagtgccg 120
ccttcggttt ttattttcttc atttcaaag gaattgattg atttccattt cataattgca 180
gtcaaattgt caaaatataa tcaaagttat tttttttcat aaa 223

<210> 1344

<211> 88

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003b12b1

<400> 1344

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gatactattg ataagtagat aaaactaa 88

<210> 1345

<211> 330

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003c02b1

<400> 1345

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ggcgcaagcc ggagacaaga ggtggttcaa gggcgccaag aagtctgctg agaacgccgc 120
aggatccttc agcgtcgcat aaatatacac gaccgaccgg cgagttaaatt ggaaatttcc 180
tcagggatgc accatgtaga gaccgatcga gggcatgcat gtgtgtttct ttgatttgta 240
catgaggatg gatgaactaa gaggtcgatt tccctcaagg attcatgtgt gcacaatgat 300
taagaaatct tagtaataat gtttcaaaaa 330

<210> 1346

<211> 136

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003c07b1

<400> 1346

gtggaatctt ctatgctaaa gattacctat cttatgtgct tttagggtga attttgcgga 60
tttgatatgt tattctgttg agacctaagt atctgtgcaa tgagaactgc aaaccacctt 120
gggatgggtct ttttag 136

<210> 1347

<211> 368

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003d02b1

<400> 1347

cccacgcgtt cggcaaggag cgtcgaggtc tggctcaccg ccgtcaccac cccggggccat 60
ggccggcgcc gccggtggcg atccggggcg cgccgaggag attactggcg gtagcctagc 120
ctgattatgc ataataacgc atgcacgaac tatgacatcc atgagcagat cgatcaagaa 180
cctatgatgc tgaaaagtta attacaagta atcgaggggc aaatcaatac gcgtatttgc 240
atatatggcg aggtgagggg gagaatcttg agatggtagt aatatgttag agaagacgtt 300
gaagcagggt gcatgttttt tcttcaggct ggttggttca gatctgtagt catgatgcaa 360
acaaatgt 368

<210> 1348

<211> 84

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710003e04b1

<400> 1348

cgtacgcgtg ggttgtaatt tagtgttgaa ttgccatcgt acttaggata aattatggcc 60
tgagtaataa agttcatttt aatt 84

<210> 1349

<211> 357

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710003e09b1

<400> 1349

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tcctgttcct gccatggagg cttggaggag gaatgccctg cgctgcgcgc ttctcgtgct 120
gctcctcgcc gtttcaagcg ggggtggcgag ggctcagggg ggcggcgagt gctggagcac 180
ggacatgggg tacggcatct gcgtgaagcc cggcgggtgc agagctgcct gccatgccct 240
cggcaagaac gacggccagt gcaacggggg ctacttctgg ccggtctgcg agtgccctgtc 300
tccacactgc cactaggatc ggattggcgt tgctactagg caggcagacg cctcgtc 357

<210> 1350

<211> 60

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710003f06b1

<400> 1350

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<210> 1351

<211> 60

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710003f08b1

<400> 1351

attaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaaaaac aaaaggggcy 60

<210> 1352

<211> 68

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710003g02b1

<400> 1352

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaa 68

<210> 1353
 <211> 374
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl5710003g05b1

 <400> 1353

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 gatcgctgag tgccttgcaa agaataaggg cggtgaaagc gaagaagggt cttccgcagc 120
 tggactgctg gagaaactta gtgtaagtga aagcaaacct gaggaagcgc cagctaagga 180
 ggaatcaact gatgctagca aggagacaga aaccaaagcc gcgacagccc cctcagagta 240
 gtgggcagag caacgcccgt cacaatggta ccgctgagca ttgctcgggt gcaagagtca 300
 gtttgctcggc ccttcctggt gacggaagtt ggtagtcgtt gacgatgaaa tatgctgaga 360
 actttntgag acag 374

<210> 1354
 <211> 143
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl5710003g12b1

 <400> 1354

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 tttgcggatt tgatatgcta ttctgggtgag acctaagtat ctgtgcaatg agaactgcaa 120
 accaccttgg gatggtcttt tta 143

<210> 1355
 <211> 292
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710003h05b1

 <400> 1355

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acaacctgct caccgtcatc tccggcgccg ccgagagggt gccagcctg tgagctggcc 120
gttaattgcc cgtccgccgc cgtcggctgt tgatgatcag ctgcatgcgc gcgatgcagc 180
atcatgtgct gtgtgaattt taccggggaa aagtatgaga gtacgaatgt gccgtacgtg 240
taaattatca aggggcagaa gaaacatgac cgttctgatt tctgatggga aa 292

<210> 1356
<211> 136
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710003h06b1
<400> 1356

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gatgtgttat gcctaactctg gtggtacctt cttgttgcca tcagcaatgg aatgaaaat 120
gtttgtccct gttctc 136

<210> 1357
<211> 337
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710003h08b1
<400> 1357

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ggccacaagg tggcggagaa gctgccggtg ccggagacga ggcgcccga cacggccagg 120
cacgtggagc gcaagctgga ggagcagggg ctgcaccggc tggagcgcca cccggccaac 180
gcgccccga gcgtaggcat cggcgcgccc ccgcccagt ccggccgcgg ctgcaagtac 240
acctgggagg gcccagagg gctggtcgac agcgagctcg acccgtgcc cgccgccatc 300
gaccgcaacg accccaacta cgacgaggag gaaggcg 337

<210> 1358
<211> 73
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710004a04b1

<400> 1358

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cccacgcgtc cgc 73

<210> 1359

<211> 74

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004a10b1

<400> 1359

tttacgcgtg ggtgtgttct ctcttcacat gtgtgtatTT tacaattgtt caaattgttg 60

agaaccattt catg 74

<210> 1360

<211> 348

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004b05b1

<400> 1360

cccacgcgtc cgcgcaaagt tgcaggagct caagctcaag gagatcaaga acgggaggct 60

ggcgatgctg gcgttcgtgg ggttctgcgt gcagcagtcg gcgtaccccg gcaccggccc 120

gctggagaac ctggccacgc acctcgcgga cccgtggcac aacaacatcg gcgacatcg 180

catccccaga aatatctacg gcccttgagc ggagccgacc gggctgaggg gagatcgagg 240

agccggagca catggttttc attcatgttt ctgcgtcgat cgactggttg atcaacttgc 300

cacgctggct ctgcgcgcgt acgtccgtgc gtgcaggaac tgtacaac 348

<210> 1361

<211> 118

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004c04b1

<400> 1361

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aaagataaag aagagaaggc ctaaataaaa aagaaacgaa actaaatgga aaaaacat 118

<210> 1362

<211> 111

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004e01b1

<400> 1362

gttgatcatc actgacaggg agacgggccg atgccgcggg tccgggtag tcaccttcgc 60

gtcggacgag gcgatgcgcc aggctatcga ggccatgaac ggccaggacc t 111

<210> 1363

<211> 124

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004e04b1

<400> 1363

tcgcttttgt tatttataat atgagtcctt agctatctgt tcaactaaaa aaaagttggt 60

atctgttggg catgtttgtg agattgtata attacatatg tattatgaag ttgctagttt 120

cagt 124

<210> 1364

<211> 278

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004e05b1

<400> 1364

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gcagcgccct gctctggcac ccagccggg gggacagctt ccccgctctac gagccccgacg 180

cctcacagga tttcgtgaag ttcgtgcac ggttgggcgc ggtggattac aacaagtctg 240

gggggatgcc caaccgggat tgctcggagg ttatggtg 278

<210> 1365
 <211> 155
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710004e06b1

 <400> 1365

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 atcgactaca aggactggca agcaagcatt ttagtgtttg tgtggacgtg tacatatata 120
 aatcactgca tggaatattc aagaggaccc tacgt 155

<210> 1366
 <211> 250
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710004f05b1

 <400> 1366

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 gagtttttgg cgcgattgcc gtggaattga gaggattgaa ttttaccat gtagtttcat 120
 tagctcctga agtattataa atactagtgg gcgaaattga gatcaaagaa ttaatttagt 180
 agattgtgtt ttacgtatat gttttaaaat ccaaaatgaa aaaaaaaaaa agaacacatg 240
 ttgattatag 250

<210> 1367
 <211> 75
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710004f11b1

 <400> 1367

 ctcacgcgtg cgaccacgcg tacggccacg cgtacgctag ttctagctca aaaaaaaaaa 60
 aataaataaa catga 75

<210> 1368
 <211> 98
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710004h11b1

<400> 1368

tttcgtccgg tcgatgactt tttttgcaca aaaaaagtta tggacgttca aacagacttg 60

ctggctgacc gtgtgaatgt cgatgacttt cgttgtgc 98

<210> 1369

<211> 263

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005b03b1

<400> 1369

taacaccctc atcaggcctg atggcaagaa gaaggcgtag gtgaagctga caccagacta 60

cgatgctctt gacgtggcca acaagatcgg catcatataa gccagaggga gggtcctgca 120

gtaggcgctt gtgtcgtggt ttcttatggt atcggaattt tgtagtgtt acttagcaaa 180

gggccttagt ggctccattg cctaccatat cgctgcacac tttcatgaat ttgatgcaat 240

cgaagtgact tgtgttgatg cta 263

<210> 1370

<211> 242

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005c01b1

<400> 1370

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cgcttgctgt agctgctgct cggcggcgcc gagtgggact tcaggctcct cgactgccgc 120

cacggcctcg tgctcatctg cgacacctcg cggaacatgg tgactggtct gggaccccg 180

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tt 242

<210> 1371

<211> 85

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005c08b1

<400> 1371

cccacgcgtc cgcccacgcg tccgcccacg cgtgcgcccc cgcgtagcgcc caccgcgtccg 60

cccacgcgtc cgcccacgcg tccgc 85

<210> 1372

<211> 127

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005d03b1

<400> 1372

ctactcccca gtggccagca actctgaacc tcccggacca agtttagcaat ggcaaagcgc 60

ctcgccggtcg cgctcctgct gctggctctg ctgcggtcca gcgacgccgg tgctgctgcc 120

cgtgctg 127

<210> 1373

<211> 303

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005d05b1

<400> 1373

gcttaaaaga aatatttggt tgggtttcca ttgaactttc ttctatgagt tggtttcacc 60

agggagggga acctgggtgat taatcatggt gttgggtttg ggatgtgtaa cctgggtttt 120

gtggaggggt tggaatcaaa tgcctatggg ggtcgactaa tcaaggccgt gttgcatcaa 180

gctgctcaag gagaacaaaa atgtcttgga agacaggagg tggccatctg atcgtggcgc 240

tatcttcttg atctcttggt gttagtctga ttttgtggtg tggctctggt ctgtactctg 300

ctg 303

<210> 1374

<211> 318

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710005d06b1

<400> 1374

catacgtggg cctggtgccc catcgcagga gacagccatg ccggcagcag gaaagtccat 60
caatgtccgc gaattcatcg acgagcgcgc ggtcagcccg ttccagtggc tggtcggggtt 120
tctgacgttc gtcgacatct cgctggacgg atgggatacc gtcacatcatg gcttcgtcgt 180
gcccagctc atcaaggaat ggggcgttac caagagcgcg ctggcgccgg tactcagcgc 240
cgcgctgttc ggctcgcgg ccggtgcgct gtcggtggg ccgacgccc accggttcgg 300
acgcaagcgc gtgctggt 318

<210> 1375

<211> 380

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl5710005d12b1

<400> 1375

accacgcgtg cgccacgcg tccggccacg cgtgcgcca cgcgtgcgcg caaacacaac 60
tactccccag tggccagcaa ctcggaacct cccggaccaa gttagcaatg gcaaagcgcc 120
tcgccgtcgc gctcctgctg ctggtcctgc tcgggtccag cgacgcgggt gctgctgcc 180
gtcctgctaa tggcgtccgc gagaagaagg ctctggtgcc cgggctgccg gtggacctcc 240
ctgggctccc tgggctgctt gggctccctg ggctccctgg cctgccgggg ctccgtgggc 300
tgctgcctt tcccaaatec accgccacca acaagtctcc atgatcgtct gtggtgtacg 360
tgctggctta catgcaagct 380

<210> 1376

<211> 99

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl5710005f07b1

<400> 1376

tcgctgacgc gtgggcggac gcgtgggcgc acgcgtgggg tacccecaaa cttgctccaa 60
ttttggtcct tgccgatatg tacctgattc ggacctgtg 99

<210> 1377
 <211> 339
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl5710005g09b1

 <400> 1377

 cgataattaa tgcttcaact atttcgactc catttgcttc gttttcattc agcgcaactg 60
 cttcttttga agtccaaact ccatcaagga tagaggcca attcaaagag gggagcttcc 120
 agcctcctga gatatcatca tcggtaaadc tacctgaaca gatcgccata ttcgggcaga 180
 agttcagcct ggggactgtt aaggagctgc tggagccttt gcagcgagca tttgctagca 240
 ttgcaggggc catctctggg cagccacccc tcaaggtacc gattcctggg gacaacaagg 300
 ccaaggtcgt ggcttttgac aacctacctg gacaaagac 339

<210> 1378
 <211> 344
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl5710005g12b1

 <400> 1378

 cggacgcgtg gtcccacgcg tccgcgaaca cacaccatat caatcaagaa aacccccgaga 60
 ggatcatggc cggcgtgaac accagtgtgg tcggcctcaa gcccgccgcg gcggtgccgc 120
 agtccgcctc gtccggcgag gcaaagcgcg tgcaggtcgc cccggtcaag gaccggcggt 180
 tggcgcttct cggactggcg gtggtcttcg ccgtcacggc cgcctgcgcc gggtcggcca 240
 gggcaagcgt ctttgacgag taccttgaga agcgcaagct caacacggag ctgtccgaca 300
 agaagagggc ggcgaccagc ggggccaact tagcgcgcg ctac 344

<210> 1379
 <211> 110
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl5710005h08b1

 <400> 1379

 ggtaactct agctgagtag tcggccttgc tttaatgtct taactgaagt gaaccttggc 60

aattagtggg tctgttaatg tccatcggta cttgtatgct tgtgtgtggc 110

<210> 1380
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710006b02b1

<400> 1380

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gagacgacca gaaggtgcag ttcccgccat gattgggacg gctgcacgaa tgaccggggc 120
gggtgggtcaa ctgccgccgg tgggtcaccg aaaatttctc cggttttcac acgttgcttg 180
ccggaatgta cgaggatcaa cggcagccac tagcaaatgg cagaagaaac aagacgcact 240
ttgtacttat ttctgccttg catggctctc gtgttcgcgt caaaaatgcc ctatgagaga 300
cgctaatatg aaaaaataat attggtgtac atgatgggaa aacgtcacao ttgttggtat 360
acaatg 366

<210> 1381
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710006c04b1

<400> 1381

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ttaggggttta gtagtagcgg ggaagaggaa ggaatggcgg acgtcgagta ccgttgcttc 120
gtcggcggcc tcgcctgggc caccgacgac cagtccctcc agaacgcctt ctccaagtac 180
ggcgacgtca tcgactccaa gatcatcact gacagggaga cgggccgac ccgcgggttc 240
gggttcgtca ccttcgcgtc ggacgaggcg atgcgccagg cgatcgaggc catgaacggc 300
caggacctgg acggccgcaa catcaccgtc aacgaggcgc agtcccgtcg ctccggcgga 360
ggaggcggcg gcggcttcgg cggcggcggt ggcggtta 398

<210> 1382
<211> 364

562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710006h04b1

<400> 1382

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gctgaaagca gagattgagg gccttcaact ggaacttacc catgcaagtt gtattgtttg 120
caggaatgca tgtgaattgg agcagaaggg gaatttcgag ttggtggaac aaaggaaagc 180
aatggagaag agtatgattt cgatggcaca agaaattcaa caaatgcggg ccgaattagc 240
taattttgat ggagaccat ggggcacagg tggagcacat gggatgaagc tgggcagtcc 300
tgaagcgacc ttccctactc aatatggaga taaatacaat atacatgcgg ggagtttctg 360
agaa 364

<210> 1383
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008a08b1

<400> 1383

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aaaaaaaaaat ctaaaaataa taaaaaaaaac acaccacccg taccaaaaag 110

<210> 1384
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710008a09b1

<400> 1384

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ccgcccctac tacgcctggt ggcgaggacg ccccgcccg gccgtctagt gacacctccc 120
cgaccacccc tgggtggaggc tactaccgc caactccgtc aagcggcact gcaccaacca 180
cgctggggac tggagactcc ccgccagcg cgtccagtga cacctctccg actaccctg 240
gtggaggcta ctaccgcct actccgtcca ccggtactgc cccaaccacg cctgggactg 300

gagactgcct gccctcaccg tccgcöggca cctctcctag caccctggc ggtggtgact 360
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 ccgccggcac ctctcctacc a 441

<210> 1385
 <211> 201
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710008b01b1
 <400> 1385

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 gggcgtagcg taaaggttgc ccccatccag gcagagccca gggatcgata tgtgtatatt 120
 atatataaca atgctacact gtaacatgaa atgaaatgca gaggaattaa aatgcgtgag 180
 tttccttaca aaggcaacgg t 201

<210> 1386
 <211> 100
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710008b02b1
 <400> 1386

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaatggg 100

<210> 1387
 <211> 143
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710008b06b1
 <400> 1387

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 tttttttggg gccctttttt tttgtttccg gggccgggttt ttccccctgg gggggtgggg 120
 aaaccccggg ggccccccct ttt 143

<210> 1388
 <211> 98
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710008b07b1

 <400> 1388

attaaaaaaaa aaaaaaaaaa aaaaaggaaa aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaag gggggccgtt tttgaggt 98

<210> 1389
 <211> 295
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710008d10b1

 <400> 1389

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 ggatcatgct gaagcttagg ctctgtctcg tcgggctccg gccagagacc gactactgct 120
 aagaggatgg ccaatcggac cagcgtgccc aagttcggca cctgggacag ggacgatgtg 180
 ggctacacgg tctacttcaa taaggtgcg gagaacaagg gcgccaccgc gccgacggtc 240
 catgggacgc tcaaccccaa cgacccttaa gaggaagccc cgagggtgat ccccc 295

<210> 1390
 <211> 144
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710008e01b1

 <400> 1390

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaagg gcg 144

<210> 1391
 <211> 401

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710008e02b1
 <400> 1391
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 gggacgattc tgtattacaa tttggtggag gaacttttagg acatccttgg ggaaatgcac 180
 ctggtgcagc agctaatacga gtggcttttag aagcctgtgt acaagctcgt aacgaagggc 240
 gcgatcttgc tcgcgaaggt aatgaaatta tccgagcagc ttgcaaattg agtcctgaac 300
 tagccgcagc ttgtgaagta tggaaggcga tcaaattcga gttcgagccg gtagatacta 360
 ttgataagta gataaaacta aagataaaga agagaaggta t 401

<210> 1392
 <211> 72
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710008e09b1
 <400> 1392
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 tttgtagcaa aa 72

<210> 1393
 <211> 165
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710008f04b1
 <400> 1393
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 tacataacat agttgaacca tgagcatcca tcaactctata aaatcatact aaaatatgtt 120
 atgtacggag tagtatgcaa caagatcatg caaattgctt tgtaa 165

<210> 1394
 <211> 243

<210> 1397
 <211> 91
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710008h09b1

 <400> 1397

acgcggacgc gtgggacggac gcgtgggacgc acgcgtgggt ggatcgtgggt ctagtcgtgt 60
 ataatagctc tgcctgctac ttttgtccgg c 91

<210> 1398
 <211> 60
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710009a01b1

 <400> 1398

cctacgcgtt cgtccacgcg tacggccacg cgtgcgccca cgcgtacgct caccgcgtacg 60

<210> 1399
 <211> 221
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710009a02b1

 <400> 1399

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 gcgaccatag ccacgatgac catgctcaag cccgccaaga tcacggccag gtcgggcgct 120
 tcgtcgtcac cgtcagtcag caccaagggt gcgtccccga gcctctcgct gcgcagcctg 180
 cagaagaacg cggccaagaa gggggccctg gccgtgtcgc c 221

<210> 1400
 <211> 54
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710009a03b1

 <400> 1400

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<210> 1401
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009b11b1

<400> 1401

cgtcttggtc ctatttcttt gcattgcaca catacacagt tttgtttcat ggaaagtttg 60
tagccctact gctagtgttt gatgatgatg atggcgatcg ccattttgtc caatcaaadc 120
aa 122

<210> 1402
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009c01b1

<400> 1402

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cttgagctcg gagagaactt tggcatggca acagaatctg cacggggcgt tgtccaacac 120
aaactgaaac agcatatgcg gatcatctat ctactgacgt ccggctcgcc ggagggcctc 180
acgccggcgc gatggacacc ttgtcgacct gcacgacgta ctcgagcgtc gccccggggg 240
gcacctgcgc gccatcgtec ccgaaatccg cgccgtcctc gccgaagccc aggctcgccg 300
ggacgaccac gcgcgcgttg ccgccgttcc gcatggaccg cagcgcgtac tcgatgccct 360
c 361

<210> 1403
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009c03b1

<400> 1403

gttgagttat atcatttgat taaagacgat gaagaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaa aataaaaaaa gggcggcc

88

<210> 1404
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009c12b1

<400> 1404

tccacgcgtc cgagagaagg tataaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggggggggc 180
tttt 184

<210> 1405
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009d12b1

<400> 1405

ctcacctcc cttctcccc tcccgaagca gcgatggccc ccaaggcgga gaagaagccg 60
gcggcgaaga agcctgcgga ggaggagccc gcggcggaga aggccgagaa ggcccctgct 120
gggaagaagc cgagggccga gaagcgggtt ccggcgggca agaccgcctc caaggagggc 180
ggcgagaaga ggggcaggaa gaagggaag aagagcgctc agacctaaa gatctacatc 240
ttcaaggtgc tgaagcaggt gcaccctgac atcggcatct cctccaaggc catgtgcatc 300
atgaactcct tcatcaacga catcttcgag aagc 334

<210> 1406
<211> 66
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710009e03b1

<400> 1406

cccacgcgtg cgggcccgtct catgatttgg cgatttcaat tggtttaaag caaaaagaat 60

aaccct

66

<210> 1407
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710009e04b1

<400> 1407

acgcccacgc gtgcgccac gcgtccgcc acgcgagcga ccacgcgtgc ggccacgcgt 60
ccgaccacgc gtacgtgtac tgctgacacc taattctctc ctagaaaaaa aaaagacaaa 120
gaaaatatga ggaggag 137

<210> 1408
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710009f05b1

<400> 1408

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gaagaatccg aggaaggctc cccatctagg gttgaatcag aaaatggaga tggctctgct 120
gggggattca ccagagcact gcgagaacgc attgagcccc aagaaaaatc tttagaggct 180
ggagctttga tctccaagtt gaccgaagaa aagaattctg caattcaaca gaaccataaa 240
attagacagg aacttgatat gatgagacgg gaagtcagca agaggcgagg tggagggttt 300
tcctttgtaa ttgtcataat ttagctttg atcgggatct tcctgggcta catgatgaag 360
tcataattct tttcatccgt atcacttgac cgtatcgaag ggaactggac ttgctagtca 420
tgtttgggaa cttgaaagat cattcgagat caaat 455

<210> 1409
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710009f06b1

<400> 1409

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 aaaaataaag aaacaacttt gctgaccatg atatattttt atctaggcgg aagagtcctc 120
 ttaatattta tctagtctta tataggtttc ggtatattga aatataaaca taaaaaagaa 180
 gatagaggat aggctcatta cttaaaaaaa agatatggaa atagctatag a 231

<210> 1410
 <211> 109
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710009g10b1
 <400> 1410

ctgaaggaga gggagctagc catgatgaag actggggggt gatgatggga tttggaccgg 60
 ggttcactgt ggagacgatg ctgctgcacg ctgccaccta ggtaattag 109

<210> 1411
 <211> 62
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710009h07b1
 <400> 1411

cggacgcgtg tggcggacgc gtgggcggac gcgtgggcgg acgcgtgggc ggacgcgtgg 60
 gc 62

<210> 1412
 <211> 192
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl5710010a04b1
 <400> 1412

gctctgactc tgccggcgac cgcattgaggc taagcccatc ttgaagcatc aaaacccan 60
 gcatgtaccg ttccaaacct gccatgttgt cctccctctt ttgctcgtct tcgaccactc 120
 gaaatgtaag agaccaatgt tttatagaga aatactggga actgtttgaa taacaccccc 180

agcaatttgt gc

192

<210> 1413
<211> 343
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl15710010b07b1

<400> 1413

attaagtcct ccctgngcaa aaagcaaacc cccgcatggc tgtgaggcta gcacactgga 60
aggagccact cgacgaccct gacaataaca acatgaggcc ccaacaggta tacacgggcg 120
tttggctgag gcattacacc cctgtgaggg aacgagtgc atctaaccag ggcgaggaac 180
ttggtcagat cgctacatcg aacgcgacga ggcgtcgccg tgccggttct tccctgtaga 240
acaacagcac gcatggatgc atggtgcagc atccagcca cacaataaac caagctgctg 300
tccttgccac tcacaacgcc tcagcggctc gagtatgggg gct 343

<210> 1414
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710010b08b1

<400> 1414

cctacgcgtt ctgcgacgac ctgctacaat cactgggcaa agatactggg cggcaagacg 60
ccagacgccg tcaccgtgaa cccaggaac gagccgcaag accgcgcgcc tgccgacgcc 120
gccgtgccgc gtcctgtgaa gtcggtcggg cccatcgagg actactggtt tgtccccgcc 180
ggcgtcgaca tggcgggcta ctccttcac gtcaccgagc cgatgctcac gaggtgcag 240
cagcaggagc cagcggctgc cggcggcgcc ttcgagctca tctcggcgct cctgtggcag 300
acggtggcga agatcagggc cgccaaggag gtgaagacgg tgacggtggt gaggaacgac 360
atgtc 365

<210> 1415
<211> 266
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl5710010b10b1
 <400> 1415
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 agacgtgggg atggcggtgg agaccgcccc catagcgctc ggtgatctgg agacggcggt 120
 ggagaccgcc cccaaagcgg cggtcggcga cgccaacgtc aaaaggtttt gcgccgaaac 180
 gccctaccgg gacgtctgcg ccgacatgat cgcgcgctac gacgacgagt gcaaaggcgc 240
 cgacgacaag aagctggcgg ggatgg 266

<210> 1416
 <211> 377
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010c01b1
 <400> 1416
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 agagggcgca cagcgaccgc tacatcggcc tcaagcaaag ctggcgtagg ccaaagggta 120
 tcgactcccg tgtcaggcgg aagttcaagg gatgcacctt gatgcccaac atcgggtacg 180
 gttcagacaa gaagacaagg cactacctgc ccaacaagtt caagaagttc gttgtccaca 240
 atgtctctga gctggagctg ctcatgatgc acaacaggac ctactgtgcc gagatcgcac 300
 acaacgtgtc caccacagaag cgcaaggcga tcgtggagcg tgctgcgcag ctcgacgtcg 360
 tggtcaccaa caagctt 377

<210> 1417
 <211> 283
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010d05b1
 <400> 1417
 cctacgcgtt ctcccacgcg tccgacggcg acgatggcgg cggttcggtg cgcggcgagg 60
 agcctcggtg gctcactgct ccagcgaacg caggcggcgg tcgcggagga gggacgccgg 120

ctcgtgccaa gcaggttcat gcgctcccgc cagctctcca ccaagcatgc tggcaagatc 180
 ccgaaggaac tggagccgtc tgaagtggaa gctaagttga agctgacgag ggccaagctg 240
 ggtgcaacgt tagataaatt ggagaaggaa cagccagatg agt 283

<210> 1418
 <211> 101
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710010d08b1
 <400> 1418

actaaaattc taaaaaaaaa aaaaaaaaaa aaaaaaaaag gaaaaaaaaa aaaaaaaaaa 60
 aaaacaaaaa aaaaaaaaaa aaaaaaaaaa aaacaggggg g 101

<210> 1419
 <211> 117
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710010d10b1
 <400> 1419

cggttactct tagctgctca gagagagcta agcttcagtc gattattgac ggttgaacca 60
 agtgaggctg tgaattgtcg ttgttttcat ctatcaataa aatcttgtag gtactct 117

<210> 1420
 <211> 74
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710010d11b1
 <400> 1420

cctacgcgat ggatcatcgg gctgcactgg ttattgcctc ttgatgaacc tttgtgatac 60
 ttcggtggtt ctag 74

<210> 1421
 <211> 315
 <212> DNA
 <213> Triticum aestivum

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl5710010e12b1

<400> 1424

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tcatgtacca acatggctcg agaaaagcatg ctctgatgtg aatgctatcg gtggctatgt 120

atatgcacgg acgcataata ttatacaata tgctgactat atacgtttta atggt 175

<210> 1425

<211> 131

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010f09b1

<400> 1425

taacgggttcc tgcccgtgga actctgatac ggaggagggt tcaccaccaa gacggcatga 60

gcagcagacg atatgtactc ataagacgag gagaggacct acaattgggt gatgtgcatg 120

cccttctctc t 131

<210> 1426

<211> 316

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710010f11b1

<400> 1426

tgccgcgtcg ttgccgcaca atctccggcg agatccccct ccccggttcgg cagccatggc 60

ctccaccttc agcggcgacg agaccgcccc cttcttcggc ttctctggcg ccgccgccgc 120

cctcgtcttc tcctgcatgg gggcggcgta cgggacggcg aagagcgggg tgggggtggc 180

gtcgatgggg gtgatgcggc cggagctggt gatgaagtcc atcgtgcccc tggatcatggc 240

gggggtgctc gggatctacg gcctcatcat cgccgtcatc atctccaccg ggatcaaccc 300

caaggccaag ccctac 316

<210> 1427

<211> 382

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl5710010f12b1
 <400> 1427
 tctgccgcat gatgacaaca agacggacca cctcaatctt ggcctgatga acctggatct 60
 taagatgaat gatctcaaga tgaacgaggc tgccatgaag taccctttcc gcaacatggc 120
 ctattacatg aatccgatgt accccaaggg aaacaacggt aatgtcaatt cgttcaagat 180
 gaatgttggg gtcaacaaat atcccaataa tcagaatggg aaggaaacaa acggcaaaca 240
 caatggtggt aacaacaaca atggaggcaa cagcaacaac aactctgttg acaagcgctt 300
 caaacattg ccaacaagcg agatgctacc gaggaatgaa gttcttggtg gatacatctt 360
 tgtctgcaac aatgatacca tg 382

<210> 1428
 <211> 97
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl5710077a10b1
 <400> 1428
 tttttgataa agcactcact gtacagtgtg acaaagagga gatactcata catacagcag 60
 tactaaataa agtccatatac aggctgattt gcaaaaa 97

<210> 1429
 <211> 279
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl5710077a12b1
 <400> 1429
 ttggtcagtg gggggagctg gaggttcgca gttggtgctg gagcgagaca gcgagtcgctg 60
 gcgatggcgg aggcgggaaa gccgaggggtg gtggtggctg gcggcgcat cggcggcgcc 120
 ctctcgcca agaccatgga gcccagcgcc gacgtcgtcc tcctcgacct gaaggactac 180
 ttggagatca cctgggctga attgagatca acggttgaac catcttttgc tgagagatca 240
 ttaatatatac acagagatta cctcaccact gctactatt 279

<210> 1430
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077b04b1

<400> 1430

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tacgcggccg tgcgcgggtt cggcggcctt gtagccgacg ccgacgtcgg caagcaggcc 120
gcgctgctcg aggccagcct gcaggggacc aggtgggccc cgcccgtgtc cgacggccgc 180
aagggcgacc cggcgtccga gtacaccgtg gcgcagtaca actcgccgtt cgagttcagc 240
ggcaggggtga acgagatatg gatgctcttc gacaccatgg ccgcgtccga catgtaactg 300
tgcaagctag ccgcttggtta gactaaacca gtgagctcgt atatataaga gtgtcttgtc 360
ttttaagctt ctatgtaagc cgacgaataa tggtagcgta taaacttgcg agcaataaag 420

<210> 1431
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077b05b1

<400> 1431

tcgatttgaa acagaaaagg ccattgtcgt actcttgtag atatgcagca ccgctaatat 60
attgtatggc tgaatgtatt agggagccat gctgacatga aacctgttct tccaatcgat 120
ttcttgctga gaatctagtt gaaacatgga aaccgcactt cctagtttgt atttgcttct 180
gaggtgcagt gatggagtaa gcagatctgt atttatatga atgaaaaca 229

<210> 1432
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710077c06b1

<400> 1432

tcgtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710077f01b1
 <400> 1435
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 ccgtcaagct gtgcagctga tcaaccgcac cgtcaatcaa tccatccac agactaagga 120
 agacgaagcc aactcatact cgcaaggcgg cagcccaatt catcaggcga cctatgcgca 180
 cgagcgcacg ccatctgccc gaatcgctg ggaattacat tacattgcat caattcatcg 240
 ccatcatcac gacaacaagc agaaggaagg gtgcacgcat catattgtgg acttgggatc 300
 gcgcctctga tgacaggaag cgatgaagct agccaggagg atgtcgccgg ccatttctaa 360
 tgctgcactc acacattatg atttatgaat cactgaattt ccgttcagaa gcaagcacta 420
 tg 422

<210> 1436
 <211> 345
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710077f07b1
 <400> 1436
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 caactgaaaa gaatgaagca cttacaagca agatgcagga gcatgcaaac ttagtccatg 120
 aaaaagatca gttggagcaa caattgctgg aagttaggaa ggaactggag gctgcttacc 180
 gtaccatagc taaccaggaa gagcaagctt cagtgaggga gataaagtgg gatgcgttta 240
 agacgtattc agcggatcaa ctagaagctg cacaaaaaca cgctgcagag ctggaagtac 300
 aagtatcagc tcttaatcag cagctgcaag aagctgagat ccatt 345

<210> 1437
 <211> 144
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710077f10b1
 <400> 1437

tttaaaattt atctgatata gaacactcat atcgataaaa tggtttgaac tatttactag 60
 aaaaaaaaag ggggcaccct gccctttttt aaccaatgcc gaatcgacga cctatgtata 120
 aaaaagagaa attttttggg tttg 144

<210> 1438
 <211> 142
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710077f11b1
 <400> 1438

ttctcggacg cgtgggcgga cgcgtggggt gccattgcag tttgtcaac tctgacattg 60
 ctttggtttt tccttctcca tttgtcttct ttgttcctaa gaatatgtgt atgtccatgt 120
 tcatgtaaca acatggctcg tg 142

<210> 1439
 <211> 64
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710077g01b1
 <400> 1439

aaaaaaaaa aaaaaaaaaa agaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa 60
 aagg 64

<210> 1440
 <211> 148
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710077h04b1
 <400> 1440

tcggttccgc ttaactttgt acgactatta catatctatc tgaatttgta actgtttttt 60
 tttgtcggag ggaatttgta atcgtagtg gcatgtatta ctaatgtact gtcaaaactat 120
 actctccttt attttcatgt tacagccc 148

<210> 1441
 <211> 389
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710077h06b1

 <400> 1441

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 agaaccaaac agggcgagct gttcccaaca attccgaagc ttcgtctagt tgtcacactg 120
 tgcagaagag atcaggacca ctgaagctca ctccggcgcc gaagcatata ctggtgccaa 180
 gtgatagcac gcatggcgac tctatgcctg tgtactcctg tttatctttc ggaagtagga 240
 gcggaaatgc tgcagggctc cagaacaaag gagcatgata gactttgtga aatgctgttt 300
 aaccttcaga agtaggagcc ttttgaaaaa tgtttacatt tttctatctg taaaactgga 360
 ttgactatcc tgtaagaata gttaccata 389

<210> 1442
 <211> 344
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710077h10b1

 <400> 1442

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 aaggggtggca acaggttcat caagacggct gcttatggcc actttggccg tgaggatgct 120
 gacttcacct gggaggttgt gaagcccctc aagtttgaca aggcctctgc ttgagaggtg 180
 ggtatgaagg agtctaataca ttctgctgc tgccgctggt ggttgatatct tggataattg 240
 aattccttct ctttagaagg aagcaggggt tcaacatcgc cgtggacacg ctgaattggc 300
 gtctagtgat tggatatttg gtatggaata caaaaatatg tgct 344

<210> 1443
 <211> 100
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl15710077h12b1

 <400> 1443

<210> 1447
 <211> 227
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl15710078e02b1
 <400> 1447
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 tgtgcggtgtg cgtgtggttt gcttgctcgc tctcccatgc tctgcccattg gtgtccttgt 120
 gtgtatgtgt gtgtgcatgt gtccctgtaa ttgcttcac taccctcact atggatggag 180
 tgatgaatat gtaagaatga aagatttacc taattaacta ctcctaa 227

<210> 1448
 <211> 348
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl15710078e08b1
 <400> 1448
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 catcagatcc aggtggctgt ggagtcctgc cctgtgaact gcatccactg ggttgggagc 120
 gaagagctcc cgggtgctgga gttcatggca cgtccacagc ccaaggaagg gcacggcgtg 180
 ttcggcgcg ggtgggagag gcctaaggac gtgttcgcg cggccaggaa cttctccagg 240
 aaactcgaga agcaggagcg gcaggaaagt tccagggcg caaacggggg tgaagatatg 300
 gaggtgaaa cggcagctca tgccgaagcg agacgccacg cggggcag 348

<210> 1449
 <211> 179
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl15710078g09b1
 <400> 1449
 tttcgttcgc ccacgcgtcc gttccattgt cttcttgctc ttggtgaact tgatgttctt 60
 gtcgagcttg tggaggagct tgccgagctt ggggaggagc ttgtgaaact tgacgatgca 120
 cgtgagtttg atatattcgt gcttgaactt catggctaag tgctctttgt tgctcatga 179

<210> 1450
 <211> 138
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710078g10b1

 <400> 1450

 ttggtcgccc acgcgtccga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aggggcgg 138

<210> 1451
 <211> 74
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710078g12b1

 <400> 1451

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 cgcgtccgag gttt 74

<210> 1452
 <211> 128
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710078h11b1

 <400> 1452

 tctgtcgccg acgcgtgggc ggacgcgtgg gggatgattg ttttgttttg attttccatg 60
 gcttgattt taattatgtt tgatggtgtt tttttaattc gtatatcatg ttgtgttgcc 120
 gttaaaaa 128

<210> 1453
 <211> 54
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710079a03b1

<400> 1453
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<210> 1454
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710079c09b1

<400> 1454
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acgggggtcca gcgtgagcgc tgggcgcagc atatcggcag ccatgggtcac ggtgggttctg 180
accctgctgc tgctggtgct cctcccgggtg cgccatgctg tcgccacggc ggacggcgac 240
tcgcacccgg gctacgcgga cacggaggcc gacacctgcg gggcggtcc cggtgggtct 300
gcccgttccg gagga 315

<210> 1455
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710079d01b1

<400> 1455
tttttacgcg tccgcccacg cgtccgctcg caatgcaagt ggtggcatgc ccacaggttg 60
aatatgtctc aatggaggac ataccagaga gtgttgtag caaggagaag gagattgaga 120
tgagagggga ggacctgcag tcgaaacccg aaaacatcag ggagaagatc gtggaagggc 180
ggatatcaaa gaggcttgga gtgatagccc tcctggagca gcccttcac aaggatgaca 240
gcaagacggt gaaggatctc gttaaggaga cgatcgccgg cctgggggag aacatcaagg 300
tacggagggt tgtaggtat accctcggcg agaactgata aatgagacag tgacctccgt 360
tacaatccat ggcatcagga gtcgggcaca ttttgattca tcg 403

<210> 1456
<211> 151

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710079d04b1
 <400> 1456
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 tgcacttgga tctgttgga tgcttgatt tggaagtttt cctcaagttt cagtactgat 120
 gaattttact gtcttgatac aatttgga g 151

<210> 1457
 <211> 227
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710079d06b1
 <400> 1457
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 cttcagaaac agagcaacta ctctctcaaa aagaaaagaa aaaactcaaa agatatactg 120
 gcatacagct tgctcgtaca tgcacttatg tttgtttcgc ttacataaca atttctagt 180
 cctcgcttca aacttcgaac ttcaagagag tgaaagaaga gagagac 227

<210> 1458
 <211> 246
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710079d08b1
 <400> 1458
 taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 120
 ggggcctttt tgggggtccc aagtttactt ccccgggctt gcaacgtaat actttttttt 180
 tggggccccc taaattaaat ccacgggccg ggggttttaa acggcgggac ggggaaacc 240
 cggggg 246

<210> 1459
 <211> 164

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl5710079d10b1
 <400> 1459
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaaag aaaa 164

<210> 1460
 <211> 383
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl5710079e09b1
 <400> 1460
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 gctggcgtga ctctgagtag tacgacctca tcgtgtgcgc ggctaaggag taccactact 120
 acttattacg tataaaacta taaattataa cctgcatata tagagagagt ttgttggttcg 180
 taccatctat gaacttcatt gcgaaccaag tttctctggg cctggaacag cattcgacat 240
 gcttttcctc gtctgaatga tcgactaaat aaagcggcaa gtttgtaacc cctgcttcta 300
 cttcaggctt ggagaataac tcagcatggt ttacagttt ggattgtcga caagataaac 360
 cgacttgtag tcatgtgcgc atg 383

<210> 1461
 <211> 235
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl5710079e11b1
 <400> 1461
 tttctgcagg ttgcgaggaa tccggcaagg cctaaagtgc aagttgaagt aaccgatata 60
 catgtcatgt tagtcacatt tgcggcggc tctgctttct cagttttact tctcgttcta 120
 ctcatatata tgtgaatata tgagcatatg tatgtaagca cctaccaatg taggtcgagg 180
 aggatgcata tgagaattat agcaccggct atacatatatc atatatatta tatgc 235

<210> 1462
 <211> 89
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710079g02b1

<400> 1462

tttgttatat gccttttttt ttcaaaacga actgccatat gccctccttt gtaagcctgt 60
 gcacgtacta tttcaataga ctggaatac 89

<210> 1463
 <211> 416
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710079g05b1

<400> 1463

tctgttgaag tacctcgggtg gctccggcga cccgcctac cccggcgggc ccatcttcaa 60
 cccgctcggg ttcggcacca agagcgagaa ggagatgaag gagctcaagc tcaaggagat 120
 caagaacggc cgcctcgcca tgctcgctt cctcggcatg tccctgcagg ccatcttcac 180
 cggcgctcggg cccttccaga acctcctcga ccacctctcc gaccccgta acaacaacat 240
 cctcaccagc ctcaagttcc actaggcgaa atcgatccga tccgatccga gcatcgctgt 300
 cctgtgcatg gtacccgtcg tcgtgggaaa cgtgagcgtg cgagaggtat acatgcgagg 360
 gtgggtgtaa aatgtaaatt tgtacgcgtg ctgctgcat gcttgaata ttata 416

<210> 1464
 <211> 381
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710079g07b1

<400> 1464

ttttctttcc acgcgtccgc cggggtgaag gagcagctgc agaagctgtg cagcatctac 60
 gcgctccacc tgcttcacaa gcacctgggc gacttctgt cgacggggtg cgtcacagcc 120
 aggcagggcg tgctggccaa tgagctgctc ggcaagctgt atgcgcaggt gcggccta 180

gcggtggcgc tgggtggacgc gtttgactac acggaccact acctgggggc ggtgctgggg 240
 cggtacgacg gggacgtgta cccggcgctg tacgaggagg cgtggaagga cccgctgaac 300
 gagacggtgg ttcccgcagg gtaccaggag cacctccggc cgctgctcaa gcagcagctc 360
 aggctgtcca gactatgata c 381

<210> 1465
 <211> 70
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710079h03b1

<400> 1465

tggacgcgtg ggcggacgcg tgggaaaaag gaggaattat aaaaaaaaaac accgagtgca 60
 gccagactag 70

<210> 1466
 <211> 90
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710081b02b1

<400> 1466

catacttcta tgttctgaga ctgtttgcac tgtatgctga ttgttctgca ctctgttctg 60
 cactctgttt gcattgtatg ctgattgttc 90

<210> 1467
 <211> 67
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710081b04b1

<400> 1467

ttgtaacacc gcggcaggaa aagaagaaaa taaatagagg aatctttagg gtacgagacg 60
 tatcctt 67

<210> 1468
 <211> 97

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710081c07b1
 <400> 1468
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 aatatattta tacaatctgt cgactatgta ttcgggt 97
 <210> 1469
 <211> 224
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710081d07b1
 <400> 1469
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 cccctttttc cccccctcgg acctggaaac cccctgggtt cccccccett ttcccccttg 120
 caccctccc ccttttccc agttgggttt ttcccaaaag gccccccccc ttccccctt 180
 cccacctttt cccccccett tttgccattt ggcccccccc cttt 224
 <210> 1470
 <211> 96
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710081e09b1
 <400> 1470
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 ccacgcgtcc gccacgcgt ccgcccacgc gtccgc 96
 <210> 1471
 <211> 413
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710081e12b1
 <400> 1471
 tctactcgtc cggccacgcg tccgaaaaa tctctctcgg ctccccgctc cgagtcgcgt 60

<210> 1477
 <211> 203
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710091d12b1

 <400> 1477

 cctactcgtc cgctgatgga gtcgagcaag ggtgctgtg catgtgctg tggtttactt 60
 cgctcgctct ccgcctatgc tctgcccttg gtgtccttgt gtgtatgtgt gtgcatgtgt 120
 ccctgtaatt gttcatcta tctccactat ggatggagt atgaatatgt aagaatgaat 180
 gatttaccta attaactact cct 203

<210> 1478
 <211> 320
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710091e02b1

 <400> 1478

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 ggagaccacc acccctgcgt cacactggac gacgatggat tgcaagctct ccaaagctcg 120
 gtccatgaag ggctcgatcg gctctcggag attacgccag gcatcggctt gtgtcgagtt 180
 ctgcagggcc gatgaatccg ccgccgctcc aaagacggga gcagggggccg gtctcgagta 240
 tctacacca cccaggaatg atccaaactc cagccggaag aaacagatgt acaagtatgc 300
 tttgcccttt gattattctc 320

<210> 1479
 <211> 152
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl5710091f03b1

 <400> 1479

 cccactcgtc cgccccgcg tccggttctg ttttcaaaaa aaaataaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaa aaaaaaaaaa aaaagggggg gg

152

<210> 1480
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710091g02b1

<400> 1480

cccactcgtc cgtatattag caagtgggtg tttggatcat tgcgaatggg tggcgttact 60
ggagaccacc acccctgcgt cacactggac gacgatggat tgcaagctct ccaaagctcg 120
gtccatgaag ggctcgatcg gctctcggag attacgccag gcatcgggtct gtgtcgagtt 180
ctgcagggcc gatgaatccg ccgccgctcc aaagacggga gcaggggccg gtctcgagta 240
tctaca 246

<210> 1481
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710091g10b1

<400> 1481

tcatcacaca agccaatcaa gctctctgct cttcccagc tacatttcca gcaagcaagc 60
cgaagcacta gatcctcgat ggctcgcgtg gcaactgctcg ccgtgttcac cgtgctcgcc 120
gcaactggcag tggcggagat ggctgtctggg gcggtgacct gcagcgacgt gacgtccgcc 180
atcgcgccgt gcatgtccta cgcaacgggg caagcgtcgt caccctcggc ggggtgctgc 240
agcgggggtga ggaccctgaa cggcaaggcg tccacctcgg ccgaccggca ggcggcgtgc 300
cgctgcctca agaacctggc ggggtcgttc aatggcatca gcatgggtaa cgccgccaac 360
atccccggca agtgcgccgt ctccgtctct tccccatca acaacagcgt caactgcaac 420
aaccttcatt aagttatcta cgagcatcat catcacacca ggctagctag ccca 474

<210> 1482
<211> 107
<212> DNA
<213> Triticum aestivum

tagaacagtgc cctgtccatt ttggtacttt ttactgtgcc tgcgtgacta ataaactcat 420
tc 422

<210> 1485
<211> 429
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710092b02b1
<400> 1485

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caaaggggtca aacctgcatc ctttgttggg aattgatgtc tgggagcatg cgtactacct 120
gcagtacaag aacgtgaggc cggactacct gaccaacatc tggaaggtgg tgaactggaa 180
atatgccgga gaagagtatg agaaagtgct tgcattgatt gtccgagtag acagacagta 240
cttcgctcgc tcttgagttc cccgctgttg gatctttgta tatgcagtaa taaaagtggg 300
cactattcca ctgtcgggac cttctgtaca tcgcatagag gcggggtaat gtccaacgca 360
tagaacagtgc cctgtccatt ttggtacttt ttactgtgcc tgcgtgacta ataaactcat 420
tcgctagtgc 429

<210> 1486
<211> 394
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710092b07b1
<400> 1486

ttctcgcgtc cgcccacgcg tccgggatgc agatgctaac aaatttctgt aaagctcttc 60
tatatatgga tttgattggc aggagcagaa aaaaggaaag aaatcttgaa tagggttttg 120
agattttttt ttttaactta gagaagccta gtattaaacc agtggcatct tccttctgtt 180
aacttgcttt tgtttcagag ttagaaaaat gggttttcct gttttgttag ttctgatggc 240
aaaaaaatct gaagttttgg tccgtgtaaa tttctgtatc tattcaccgc agtgacattt 300
aatcgctcat gtagagtttt gctaattgta gtggcagcgc tgttttctca aaaaaaaaaa 360
aaaacaaaat aataacctta aaaacaaata attg 394

<210> 1487
 <211> 480
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl5710092b08b1

 <400> 1487

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 tgtggacgga gagcaaggac gtgggcaagg gtttccgctg catccgcatg gtcaacaaca 120
 cccgcctcaa cttcgacgcc ctcaacggcg acaaggacca cggcggcgtg cacgacggca 180
 ccaccgtcgt gctctgggag tgggtgaagg gggacaacca gtgctggaag atctggccgt 240
 gggccgaggc gcacgccgcc gtcgagtcgg gcgccaccat gggcaacaac gcccacgcca 300
 tgggcggcgg gccccccgtg cacgccgtgc gcatcttctg caaggccggc gaggactaca 360
 gcctcaccgc ccgcaacggc accgtctgcc tcgccccac caaccccagg gacgactacc 420
 agcactggat caaggacatg aggcacagca acaagatcag ggacgaggaa ggggtaccctg 480

<210> 1488
 <211> 366
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl5710092c04b1

 <400> 1488

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 aggacgccg tcatgaacac gctcgggatg ggaggagaca aagccgacgt cggcagcgcc 180
 aaatgaagac cgcaaagcgc acaggagggc tagcccactt ttcgtttcgt tattccctcc 240
 gtattccttt atttgcggtc caagaaactg atctttacgc atgcgtgggt gtaactttgt 300
 ccggtgtatg caaagatgct ttgaatctac agacttgcta attctcatct gatgatattt 360
 atcttc 366

<210> 1489
 <211> 51

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710092d12b1
 <400> 1489
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<210> 1490
 <211> 132
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710092e03b1
 <400> 1490
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 aatttcttac aaaaaaaciaa aaaaaaaaaa aaaaaacggg ggcggcccct ctggggggccc 120
 cgggcctccc cc 132

<210> 1491
 <211> 279
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710092e04b1
 <400> 1491
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 ttcaaaattg gcaatgctac aaaacaatgg atgagtgcag agccaagtgt gcatatttac 120
 ctccctcctc ttcctctgta cttccatgaa accgggttct tatcatgagc tagaagaaaa 180
 atgaataaga tccagacaat aaacaatttg ctatgaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaa 279

<210> 1492
 <211> 200
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710092e10b1
 <400> 1492

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 ttgtaattcc ttgtacttga aagcacgggc tctttacgag gttctttact caaaagtgga 120
 tgtgtgaatt gccacgactt atgtgcacca aaatTTTggg atgcgtagct tctttgaagt 180
 ttgaagcagg cgttctttcc 200

<210> 1493
 <211> 90
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710092f12b1
 <400> 1493

tgctagaccg gccgtcttca gttggatggt acaattaatg tattagcaaa taagctttct 60
 tccttttcca tctaaaaaaa ggctttctcg 90

<210> 1494
 <211> 401
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl15710103a03b1
 <400> 1494

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 tctgtgggag tggactgagg gcgacaacca gcgctggaag atcgttgcct ggtgaatgat 120
 gcacatgcta cagtttggtg gttcaaacag cgcgcgatct taataataag caagtactgt 180
 atgtttctgg aataaaaagg atggcgccaa tgtgagcggg atgtctgttt tgtttgggga 240
 gttatgtata tggatgaact tgtaatgatg gatttatttg gcctagatta tgtgtgatgg 300
 atgcatgaac aaaccagtgc ttattattat gcatgcatat acatgccgtg tgacatgttt 360
 gtgaactaca ctgtataata gaattggttt atcccatcnn a 401

<210> 1495
 <211> 337
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103a07b1

<400> 1495

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gcgatgaggg ccaagtggaa gaagaagagg atgaggaggc tcaagaggaa ggcgccgaaag 120
atgaggcagc gatccaagta ggcgaacaat gaggagaaag cttaaccttg tgtcactaca 180
ccagtctgtt gggatgacag ggtcttttgg ttctgatat gtctgggttg ttctgatatt 240
ttggggatgc ccacccttgt aacatgagga taattatatg ctttccttga aggctggata 300
ttcggcttaa gaagtattat cgtctatttt tgattaa 337

<210> 1496

<211> 143

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103b03b1

<400> 1496

cggacgcgtg gggtttccgac cagagcatat ttctcgttcc atatgatctg tgtttgtacg 60
aacatagggt gtggagcatg catatgtaaa ttctagcgaa aaatctatac tgaagtcgag 120
aggggctcgg ggctccgctg ctt 143

<210> 1497

<211> 143

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103b04b1

<400> 1497

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gaacatagggt tgtggagcat gcatatgtaa attctagcga aaaatctata ctgaagtcga 120
gaggggctcg gggctccgct gct 143

<210> 1498

<211> 197

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710103b05b1

<400> 1498

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacgaaaaaa aaaaaaaagg 180
ggggggccct tttaggg 197

<210> 1499

<211> 109

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710103c01b1

<400> 1499

gtctggctct atgtatcgtc atgctcgaat gaaattgcaa cggaaaagtt cagtcacga 60
tctgatgctc gaatgaattt aattttgctt gtaaatcgct ccgtgattc 109

<210> 1500

<211> 371

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710103d11b1

<400> 1500

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acggtggtgg acgaaagcct ggagaagctg aagaagggtgc tggagggtcta cgaggcgcg 120
ctgtcccagc acgagtacct cgccggggac ttcgtcagct tcgccgacct caaccacttc 180
ccctacacct tctacttcat ggccacgcct cagcgggcg 120
gtcaaggctt ggtgggagag gctcatggcg aggcgggccc tcaagaagct cgccgcacaa 300
atggttccca agaagccgtg atttgctagg cgggatttcg catcgtggga tccgattccg 360
atcactgatc t 371

<210> 1501

<211> 292

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103e07b1

<400> 1501

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gatgcgagca caacagagcc ctgcttctta actgtcacct caaatgaaat gtttttctct 120

gtctaaaagc acaagccaga actgagaagg catctgctca tcctcaagga acacgttgct 180

ttcaatgtac catctgtacg caatatctta gattctatct tccgacatcg gcgagttcta 240

ttgagtgtaa ctaaggggtgc cttgttttagg tccaaaatct ggacatgtta ct 292

<210> 1502

<211> 193

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103f01b1

<400> 1502

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tgagtccatt cggagaacta cgttattata aggataatga atcacacaaa ggatttttct 180

ttgtgctgct ttc 193

<210> 1503

<211> 51

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103f05b1

<400> 1503

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<210> 1504

<211> 288

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710103g11b1

<400> 1504

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caggggtcaac tgcgagtgat cgaccatgca ggaacgcac gacatgcatg gattcgaggg 120

tgtcgatgag cgtgcctgcg ttgccattgt tatattagct gctctatgta caataagtcg 180

atgccgggtca ggctgcatgc atgtattgcg tgcgagtgcc tcgacttagc atttgatacc 240

gtgtttaatt tgctactatt cccttcactc aacatattac atattacc 288

<210> 1505

<211> 127

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104b05b1

<400> 1505

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atactattga taagtagata aaactaaaga taaagaagag aaggtataaa taaaaaagaa 120

acgaaat 127

<210> 1506

<211> 84

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104c09b1

<400> 1506

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accaaaaaaa gggccgcggg cctg 84

<210> 1507

<211> 62

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104c12b1

<400> 1507

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<210> 1508
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104d01b1

<400> 1508

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gccatgggga atggcgagcc aaggcatgct tgaaaaactg ttattgaatg attcctcatc 180
actgtccaag gatacagcta caacttcaaa cttctcccc actagtgtg attggctctg 240
atgggaagac actgagcagc aatattgcag acataatcaa tgagcatggt ttggatgcat 300
gggaggggtt ccccttcaat gcagagaagc tggaaattct agc 343

<210> 1509
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104d02b1

<400> 1509

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ttgaaactgt aaaaaaaaaa aaaaaaaatt aaaaaaaaaa aaaaaaaaaa aataaaaaaa 120
aaataaaaat aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaaa 178

<210> 1510
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104d09b1

<400> 1510

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacaaaaaa gaaaaaaaaa aaaaaaaaaa 120

aacaaaaaaaa aaaaaaaagg ggggggccct tta

153

<210> 1511

<211> 416

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104e02b1

<400> 1511

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cctcctcgtc gtcttcttct tcttcttgcc cggggacctt ccagaagctt ctgaaccga 120

ccgacaggcc gtgccgcggg cgggtgggag agatccggtt gcggcggcca tggatgaagga 180

gaccgcctac tacgaaacct tgggggtcag cgtcgacgcc tccccctccg acatcaagaa 240

ggcctactac gtccaggcca ggctggtgca cccggacaag aatcccggca acccgcacgc 300

ggcgcgcaaa ttccaggatc tcggagaggc ctaccaagtc ctaagcgatc cagcgaagaa 360

ggaggcttat gataagcatg gaaaggaggg tctttccag gataacatgg ttgatc 416

<210> 1512

<211> 410

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104e06b1

<400> 1512

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ggccgagggc cgccggtggg cagacatcat caagcccggc tgcgtcaaca ccgaccccat 120

ctttccaac aacaagctca ccggcaccga cgtcgggtac cccggtggtc tgtggtttga 180

cccgtcggc tacggcaccg gctcgcccga gaagctcaag gagtccgca ccaaggagat 240

caagaatggc cgcctcgcca tgctcgccgt catgggcgag tggtttcagg ccgagtacac 300

cggcaccggc cccatcgaca atctcttcgc tcacctcgc gaccccgcc acgccaccat 360

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<210> 1513

<211> 105

<212> DNA

<213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710104e08b1
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 tctttattac tcttttgatt gatttaaggt attcacatat ataat 105

 <210> 1514
 <211> 413
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710104e12b1
 <400> 1514
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 gatgcactac cacgactgct tegtccaggg ctgcgacggc tccatcctgc tcagggtcccg 180
 tcggggcacg gcggagcggg acgccacccc taaccggagc atgcgcggct acgacgccat 240
 cgagcggatc aaggccaggc tcgagacgct ctgcccgttc accgtctcct gcgccgacat 300
 catcgccata gccgccaggg acgccgtcta cctgagcaag gggccgtggt acggcgtgga 360
 gaccgggchg cgggacggca acgtgacggt ggccgagtac gctgagaacg acc 413

 <210> 1515
 <211> 89
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl15710104f02b1
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 ccttttccat ctaaaaaaag gctttctcg 89

 <210> 1516
 <211> 107
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f04b1

<400> 1516

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cggacgcgtg ggatcaaagt taagttataa tggatgtccg gttgtct 107

<210> 1517

<211> 124

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f05b1

<400> 1517

tataatatgt gtatgtccat gttcatgtac caacatggct cgagaaagca tgctcgtatg 60

agaatgctat cgggtggctat gtatatgaac ggacgcataa tattatacaa tatgtcgact 120

tttt 124

<210> 1518

<211> 62

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f08b1

<400> 1518

tctgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaat 60

at 62

<210> 1519

<211> 388

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104f10b1

<400> 1519

tttttccgcg acttccacgc cgcgcacccc gccgacgcct tctccacctc cttcggcggc 60

ggcgccgccc tcgctgcgt cgccgcgcag ccccgctccc tcgcccgcgg cgggtaccag 120

cggtaattaa cgatcggcac ggctctcat gaccctccc aatcgcccc ggcaaccgtg 180

tccggacgac taaggatttc tgtgcgcgca tgcatgcagg atgttctgcg ggctggacga 240
catctactgc gtgttcatgg gcacgctgga caacctgagc agtctgatgc ggcagtacgg 300
cctcaccggc cgctccacca acgaggcgct gctggtgatc gaggcctacc gcacgctgcg 360
cgaccggggc ccctaccggg cggaccag 388

<210> 1520
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104g03b1

<400> 1520

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gaatgatggc agagaatcca aaattggctc taatacgtca attatttgtt g 111

<210> 1521
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104g05b1

<400> 1521

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tggtgatata gaaggaata cttctgagca ttcttcagaa agaaacatta ttgaagatga 120
ggaggccaag ggtgatattt ctctcatggt atgtgatttg aacaatgatg ttgctgagca 180
gtcttcaccc gtggtatgtg atttgaacaa tgatgttgct gagcattctc ccgcaacaat 240
tgctgtcgaa tctgaggacg cgaaacatga agatacttct gtggatctca aggtagaaga 300
tgatatcgaa gttggcatgg aggaaacttg cgccgctgcg gataagatca gtgatggat 360
gcggcatatt tcacccgagt ccaaagaggg aaacattgac agctgtgcta tcagtgcag 420
cgctgttccc catgagcc 438

<210> 1522
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104g08b1

<400> 1522

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gactttcttg acttggtgtt gttttcccct gtgccatgtg tataccgttg tgctgactca 120
tagattgtgt gtatcaagga taaaatacct tttacagtg 159

<210> 1523

<211> 398

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710104h03b1

<400> 1523

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tcaatcactg ggcaaagata ctgggaggca agacgccaga cgccgtcacc gtgaacccca 120
ggaacgagcc gcaagaccgc gcgcctgccg acgccgccgt gccgcgctcc gtgaagtcgg 180
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gcgccttcga gctcatctcg gcgctcctgt ggcagacggt ggcgaagatc agggccgcca 360
aggaggtgaa gacggtgacg gtggtgagga acgacatg 398

<210> 1524

<211> 111

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105a02b1

<400> 1524

aatttatata caccaaaaaa aaaaaaaaaa aaaaaaggga aaaaataaaa aaaagaggca 60
aaaaaaaaaa agggggggggc cgataggggg gccccagct ggcgcccgcg c 111

<210> 1525

<211> 208

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105a04b1

<400> 1525

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ttttttttca catgttcctt tgggagattg tggttgtgca tttgatgcat ttttgttgat 120
cgtacaatcc agtttgatgt gtttttgttg taaacttgaa gttggccatt ttgtcattgt 180
gtaagattat tttccaagat tcattcaa 208

<210> 1526

<211> 284

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105a06b1

<400> 1526

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gtgccggcgg aggccgaggt cgaggcgctt gccccgctc aggttgaggc gaccaaggag 120
gaggcgccgg gcgccgtga gacggaggag gccaaaggaga ccgagccagt agctgcggcc 180
gagccggagg ccgaggcgcc caaagagcca gaggcgccag ccgtggtcga gacagagacc 240
aaggaggccg tggcagaggc cgagccggcg gtggtcgagg aggt 284

<210> 1527

<211> 71

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105b04b1

<400> 1527

ccctcgtgtc cgaaaaaaaa aaaaaaaaaa aaaaaaggga aaaaaaaaaa aaaaaagcc 60
ggattactgc c 71

<210> 1528

<211> 59

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105b08b1

<400> 1528

ataaataaaa ataaaaaaaaa aaaaaaaaaa aaaaaaaatt taaaaaaaaa aaataatgg 59

<210> 1529

<211> 141

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105b11b1

<400> 1529

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atgtgaatgc tatcgggtggc tatgtatatg cacggacgca taatattata caatatgtcg 120

actatatacg ttttaatggt t 141

<210> 1530

<211> 262

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105c02b1

<400> 1530

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tgctctcagg gaagaggcag aggcagccct gcaggaaggg ggctcgtcgc aggcggcggt 120

tgcccagttt ctggttgatg tggataatct tgaaaggcag ctcagcgaat gatgcactag 180

tatgtacatt tatgttgcca gcatgttgct agtccaagcc gccctgttt acattttggt 240

tgtgtggtca ataacttaag tc 262

<210> 1531

<211> 60

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710105c09b1

<400> 1531

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<210> 1532

<211> 477
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
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 catgcaagcc gaagcactag atcctcgatg gctcgcatgg cactgctcgc cgtgttcgcc 120
 gtgctcgcgg cactggctgt ggcggagatg gcgtctgggg cggtgacctg cggcgacgtg 180
 acgtccgcca tcgcgccgtg catgtcctac gcgacgggga aggcgtcggc accgacggcg 240
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 gcggcgctgcc gctgcctcaa gaacctggcg gggtcgttca agggcatcag catgggcaac 360
 gccgccacca tccccggcaa gtgcgngtc tccgtttctt tcccgatcaa caccaacgtc 420
 aactgcaata acattcacta agttatcggg cagcatcatc acaccaggct ctacatg 477

<210> 1533
 <211> 145
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710105d09b1

 <400> 1533

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 tgtttgctac tgaacatata tcagc 145

<210> 1534
 <211> 392
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl15710105d10b1

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tgagcgcggc ggcgcgcctc cgcggcggac acggcgacgg cgggggcccg tggacgacgc 180
 ccggccacga ggtgcgggccc aaggggtacc cgatgaaccg cacgccgccg ccgccgggcg 240
 agtcgcgcaa gtgggaggac tgggagctcc cctgctacgt cacctccttc ctcaccgtcg 300
 tcatacctcgg cgtcggggtc aacgccaaagc ccgacctcac cctcgagacc tgggcgaccc 360
 acaaggcgct tgagcgccctc cagcagcagg ag 392

<210> 1535
 <211> 432
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710105e04b1

<400> 1535

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 cttgaccaag cctgctcttg caagactgag cgcagtttac cgcagcctcc aggttgccaa 240
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 ggatccgttg gtttatgttt ccagcttttt agatttgttc taagagtatg gaggttgaat 360
 atgatgaatg gtgtgctctg catactggcc caagttttct cagtaggttc tatactctga 420
 cccatgacta tg 432

<210> 1536
 <211> 423
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710105f01b1

<400> 1536

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 gcttcctccg tggggagagg cagctgaggg acgtgatgga ccctgacctg agctggaacg 180
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 ccatgccgac ggacgccgcc accccaagg tgtcgccct gtggtgggcg gagctggaga 360
 tcattctcac cgaggccacc tgaagatggc actggagctg caccctgatg gagcatagca 420
 tac 423

<210> 1537
 <211> 448
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710105f10b1
 <400> 1537

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 gcggaggcaa ctgcgggtgc ggatccggct gcaagtgcgg caacggctgc ggaggggtgca 120
 agatgtaccc tgagatggac gaggggggtga ccaccacctc ccagaccctc atcatgggcy 180
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 aatcaggaca aggagatggc atggcatgga tggacctaat gaaggagcac tagtagtagt 360
 tatgcatggt gtgtgcgttt gtgttctctt ttttaattgcc gccgagaata agacgagatc 420
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<210> 1538
 <211> 218
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
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 <400> 1538

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 aagcaaatta accagtcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaggag aaaaaaaaaa agaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aagggggggc gttttaaaaa aataaaat 218

<210> 1539
 <211> 72
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710105g04b1
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 cccacgcgtc cg 72

<210> 1540
 <211> 57
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710105g05b1
 <400> 1540
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<210> 1541
 <211> 112
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710105g06b1
 <400> 1541
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 aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggcgc cc 112

<210> 1542
 <211> 483
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710105g10b1
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 accaaggaaa ggaggatgtc ttgctgcgc ggcaactgc ggtgcggcg cggtgcaag 120

tgcggcaacg gctgcggcgg gtgcaagatg ttccccgacg tggaggccac cgccggcgcc 180
 gccgccatgg tcatgcccac cgctcccccac aaggggagct ccggcggggtt cgagacggcc 240
 ggggagaccg gcggctgcga ctgcaccacc tgcaagtgcg gcaccgcgtg cggctgctcc 300
 tgctgcagct gcaactgagc cggcgcccag gaggccggcc ggcagaggcg agcacgagga 360
 tgaggaggac aagcaagcaa gcaccatcac caccagttca ccaccacca gcgtatcatc 420
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 ttc 483

<210> 1543
 <211> 397
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710105g11b1
 <400> 1543

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 tacttcacaa ccgaacatcc gcatgacaat aggccacgct ctttctcggt gtacactcct 120
 agcagaactg cggtcgtgta tgcccttaca gagtaagaac cagcagcggc ttgttacaag 180
 gcaaagagag aactcgagag agctcgtgga ttgtgagcga agcgacgggc aacggcgcca 240
 ggctgctcta agcgccatga ccgggagggg atcgtgcctc ttcccctgat gccaggagga 300
 tcagatggat aaggtagctc gttggtgagc gctcgaaaga aaatggacgg gcctgggtgt 360
 ttgtcgtgct gacttaacc ctctcctat cttgcac 397

<210> 1544
 <211> 477
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710105h11b1
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 gtacactcct agcagaactg cggtcgtgta tgcccttaca gagtaagaac cagcagcggc 180

ttgttacaag gcaaagagag aactcgagag agctcgtgga ttgtgagcga agcgacgggc 240
aacggcgcgga ggctgctcta agcgccatga ccgggagggg atcgtgcctc ttcccctgat 300
gccaggagga tcagatggat aaggtagctt gttggtgagc gctcgaaaga aaatggacgg 360
gcctgggtgt ttgtcgtgct gcacttaacc ctctcctat cttgcacatt cccggttgtt 420
ttgtacata taactaataa ttgcccgctgc gcttcaacat gaacatataa atattct 477

<210> 1545
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710106a03b1

<400> 1545

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aagggggggg ccgtttt 147

<210> 1546
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710106b02b1

<400> 1546

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gggccagagt catttctggt gaacttcacg gcatgtggtt ttgtgctatt cgggtgcctca 120
gttggttag ctgctgttgc ccagctcgc cttgaagagc cacagggtta cgctccaatc 180
ccagaacact agtatttgtg aagtgtactg catgcacaga aattcacaaa gtttgccttc 240
accattgtgc ttcgatacca ggatctctcc gatttgaaaa taaatgatct gataagaaaa 300
tgttgtgcat cttctgtgta tatgtaaata catacaagta catattgtcc ttccatgtat 360
catgtataat tgaaacatct atgtaagcag ctattttac 399

<210> 1547
<211> 57
<212> DNA

<213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710106b03b1
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 <210> 1548
 <211> 69
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710106c12b1
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 tccgtttcg 69

 <210> 1549
 <211> 423
 <212> DNA
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 <223> Clone ID: uC-tsfl5710106d03b1
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 gttgaggcaa cgctgaacct caacgcgatg aaccaggcgc cgaaccctg gcacgtgtcc 180
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 aacgtggccg cggcgagga ggcgctgctg ctgcgcgcca aggccaactc cctggcgag 300
 ctcggcaagt acaccagcga cggcgaggcc gcggaagcca gcgagaacat gttcgtcaag 360
 aactacagct actgatccgt cggcgagctg tctatctaata aatctaccgc atcactgtca 420
 gcc 423

 <210> 1550
 <211> 109
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106d08b1

<400> 1550

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agctgctact ttcagcggtg ttgagttgta attgatgctg ttttgctg 109

<210> 1551

<211> 449

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106e03b1

<400> 1551

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atcttattga acagtacaac ctgattggc acatccgctg gatctctgct cagatgaacc 120

gtgtccgcaa tggtagctc taccgctaca tctgcgacat gaaggagacc tttgtgcagc 180

ctgctttcta tgaggctttc ggtcttaccg tgatagaggc catgacatgt ggccttccaa 240

cattcgccac tgcataatggg ggtccagctg agatcattgt caacggcgtg tccggctacc 300

acatcgatcc ttaccagaat gacaaggcct ccgcactgct cgtggacttc tttgggaagt 360

gcaaggaaga cccgagccac tggaacaaga tctcgcaggg aggactccag cgcacgagg 420

agaagtacac ctggaagctg tactctgag 449

<210> 1552

<211> 329

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106e04b1

<400> 1552

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gaagagccgc atcatccgc gccacctgct gctcgccgct cggaacgacg aggaagatga 120

ggaccagcca ccggccaaga agaagaaatg atctgccttc ctgctgtcag tgtttcagtc 180

cgttagttta tctgctgtct agatgttgat tgagcgggtc tggtagacac cgacctatgt 240

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329

<210> 1553

<211> 61

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710106g02b1

<400> 1553

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<210> 1554

<211> 105

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107c01b1

<400> 1554

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ggacatgcgc ggttgatata caattgatat cacagacggt tattt 105

<210> 1555

<211> 229

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107c04b1

<400> 1555

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caaccccggc accgccagga ggtctcctcc tccatcggtc tgcacgaccg gccggagaaa 180

ccatgggcgg ccttctctct cttcttctct ctacgggaag gtgacgtat 229

<210> 1556

<211> 114

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107c05b1

<400> 1556

aaaattataa atttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaggaa aaaaaaaaaa 60

aagaaaaagg ggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg ggcc 114

<210> 1557

<211> 306

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107d04b1

<400> 1557

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gcggagaacg gcggctgcgg ctgcaccac tgcaagtgcg gcaccagctg cggctgctcc 120

tgctgcagct gctagatcta tcatcggtca tgcattgcac gcgcgcatca tatctatgat 180

ctatctacaa tctacttacc atgtaacgcc acctgatcga gggctcttct atgtatgtaa 240

gcacctgcca gcatgagcag agcagggtgca ctgccatgca tgtaaaccga ccctaaata 300

aaatct 306

<210> 1558

<211> 263

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107d09b1

<400> 1558

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tatagaaagg tagcaaaat aatagtccga gcgtacgatt gttaccgatc ttggcaacat 120

tttagctctt ccatttttgg catggtagga catttgtttc ttttttcttt tccagaccac 180

tgtttcttcc tttttttttt tctttcgagc cctgttactc cccgtcaagt agacggtgga 240

agatttggtt atcagggttg cat 263

<210> 1559

<211> 66

<212> DNA

gactgtttat tggaataaca ctaattcta

89

<210> 1563

<211> 157

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107f11b1

<400> 1563

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cgacatgccg tgtttaattc tctgtaccac ctagctctag tagatgatcc atgaccggac 120

cagtgttgct tcctaattgt gcttgatttc gttgctc 157

<210> 1564

<211> 354

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107g10b1

<400> 1564

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gggctgtggg ggtcgatccg ggcgctggct cgtgggtacg agatcatcat ggggctgctg 120

ctcttcaccc cgatcgcggt cctggcgctgg ttcccgttcg tgtctgagtt ccagacccgg 180

atgctcttca accaggcctt cagccgtggg ctgcagatct cgaggatcct gggcgggcac 240

aagaaggacc gggcgggcgt gagcaaggac gataggtaga tagatcgatt gctgtagtag 300

ctagtaaggt aggaggatga ttgcctgctt gcttgcttgc tgtagaatat atat 354

<210> 1565

<211> 54

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107h06b1

<400> 1565

tcggccactt gtgcttccac gogtccggcc acgcgtacga ccaggcgggg ggac 54

<210> 1566

<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710107h12b1

<400> 1566

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aaggggcaga acatgtcgtc ggagaaacag gagacggtgg cggcgcgcgt gctgggcagg 120
tggccgagcc cggttcgtgat cggggtgctg atagttattg ggctcaaggg cgtggaccac 180
tagctcgtgg aggaggccgc gggcaacaag agcgcgc 217

<210> 1567
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710108b10b1

<400> 1567

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tacacatcgg ctaggactgg agtacagcaa ggagttgaca gttcactcac gcatacggac 120
gcgtgcatac atgtcgcata aatatatatg cacacacagt gtgtgtgcaa ggtacagaca 180
tagacacact actgaaataa cacacacagg caacttcatt ttatttttta gtagctcaac 240
atcgtatgag cactccatca acgtagaaat taagctccac gcaagcgcgt tcatgcatgc 300
acgtaggaag gattatatat tgaactagtt gacattgttg cagttggtgg acatgctgat 360
ggggaa 366

<210> 1568
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710108b12b1

<400> 1568

tgtacgcgtg ggcggacgcg tgggcggacg cgtgggctga cgcgtgggcg gacgcgtggg 60
cggacgcgtg ggcaggatga aggcgcgcgt cttatatata ggtcacctcg tgagtgtgcg 120

caattaatgt gttaatttgt tctttggtgt gggcgtggag actaggttcc attaattgcc 180
gtgtgcta 188

<210> 1569
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710108c05b1

<400> 1569

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ccaaactggc agagaaaacg gaggccgcga cgctgaggtc gcacgacgag cggcagctgg 120
cgcattgagcg cggcagggcc aaggtcgccg ccacggaggc gcagcttcac caggagaagg 180
tcgcgcatcg ggaggctgcc atggagcacc gcctccacaa gcacgccagc gtcggcggtc 240
acaaccacaa gcacggcgcc cgtggcggtgc actgatatat 280

<210> 1570
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710108d03b1

<400> 1570

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tatggtcact tcagattctg acctgatctg gacaatatcg ctccggcact gagtttttcg 180
atgcatcttc tcgtcagaca atacttctat gagctacgat ggattgatta gcacgtcgaa 240
catcgttgat gaggaccggg ttatggtcgc ttcagattct gacctgattt ggacaatatc 300
tctctggcac cgagcttatg ctaggcagaa cgtttttagct atcgccaatt gtctcatcta 360
atztatgtct atgaccacta catccagcag tgacgtgata aattctggcg tgttagaatt 420
tcaagccttg taaattt 437

<210> 1571
<211> 144
<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710108e10b1

<400> 1571

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ttgagtactg tcgttaattt tggcttttgg caaaacatgg aagcttctga gactactcat 120

ttttatcctc tgctttggaa tggtt 144

<210> 1572

<211> 62

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710108f07b1

<400> 1572

ggcggacgcg tggcggacgc cataatatta tacaatatgt cgactatata cgttttaatg 60

gt 62

<210> 1573

<211> 216

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710108f10b1

<400> 1573

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atccatgtgg tgaaaactgg aagtgtttgg tttgagcagt ttaccacctg cgtcgatgta 120

ctctgtctgt atggttcatt gtgtccaagc tgacctcctg cttggaagcc agcttgcccta 180

aaacctgtcg ctttcaaact aatcgtcttc atctca 216

<210> 1574

<211> 240

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl15710121a10b1

<400> 1574

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 tcgtcaaaca aagatgatgt aatccttagc agtagacttt atctgccgtt gcatttggtg 180
 tgatggtgta gctgttgtgt tttggcattt gaccaagcaa atgaaagcac atggaactta 240

<210> 1575
 <211> 373
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710121b01b1
 <400> 1575

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 cattacaaat attaggacac aaaatgcctg attccataag catcggtttt gaccaaacac 180
 tattaagtac taaaccagaa gcaggtaagc caaaatatca ctgagacctg gcaattgggt 240
 caagggttc aatcatcaca acactatttc ctctcagaac caccatccct atgtcggtct 300
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 tgtattgata aat 373

<210> 1576
 <211> 370
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710121c04b1
 <400> 1576

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 ttgatttagt tgtcgtacac aaatcgctt caaaacatcg tctgcatagc agtgctcttc 180
 caacttttgg ttatgcgctt gggtatctag tactagtagt atgtggtagt ggctgtgat 240
 ggctgttgg gactcctggt atgttgcgtt cctaagctgg ttgccgcact tggcgcctca 300
 gaacctttga atcctgtag gatgctgctg ttgaaccttt actattaaac catcttaatt 360

gctgcttttc

370

<210> 1577
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710121d02b1

<400> 1577

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cagttgttga cgatgatgtg ctgctgtaag ttgttaacaa aaaaaaaaaa aaaaatttaa 120
aaaaataaat aataataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaag 180
ggggggccgt tttaaagg 198

<210> 1578
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710121e01b1

<400> 1578

ctcgtttatt cttgtgaagt atggaaggcg atcaaattcg agttcgagcc ggtagatact 60
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<210> 1579
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl15710121e05b1

<400> 1579

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accaaccgga atattgatcc acaccggcac tgacaccgg ccaagtttca gttgatcaaa 180
atcgtcctaa ttaattaaca cccatgtatg agtcgcgtag gaaatatgtg cctgcatgag 240
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acggatgtgt ttgctctccc atgcatgcat ccaactgtcga tgcagcagtt ttctttttgtg 360
 ttaccgaatg tgtaaccgaa aatgctcaag tttcttaatg atctatggaa gaaaactcta 420
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<210> 1580
 <211> 164
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710121e08b1

<400> 1580

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 gtctacaagg gcttcgaggg cctcggcacc atcgccgacg tggg 164

<210> 1581
 <211> 125
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710121e10b1

<400> 1581

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 agaca 125

<210> 1582
 <211> 423
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl15710121g11b1

<400> 1582

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 gatgtcaagt gccggcgctc ggaggggaag gtggccgtcg tgacggcttc cacgcagggc 120
 atcggcctcg ccatcgccga ggcctcggc ctggagggcg ccgcggtcgt catctcctcc 180

cgcaagcaga aaaacgtgga cgaggcgggtg gagggcctca gggcaaagg gatcacccgtt 240
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gtcaagaatt tcggacatat tgatattgtt gtctccaatg ccgctgcaaa tccttctgtg 360
gatagcatat tagagatgaa agagtcagtt cttgacaagc tatgggatat taatgtcaaa 420
gct 423

<210> 1583
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710121h03b1

<400> 1583

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agatgcgttt ctgtgctgta ttaactgtc gaaagagtat ggagcacacc ttataaacat 120
caatagcaac tgggttttgg gagtccaa 148

<210> 1584
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710121h08b1

<400> 1584

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aagtcatttt gttttatagg agtgacttat tcgtcacagt aaagaatgtg tgactttcaa 180
aataaaaa 188

<210> 1585
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122b07b1

<400> 1585

cccatgctgc cgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaagggggg ggc 143

<210> 1586
 <211> 412
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710122b08b1
 <400> 1586

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 ctgcggcggc tgcaacatgt accccgaggt cgaggccgcc ggcgccaccc tcctcgtcgc 180
 cgccaccgcc acccacaagg cgagctccgg cgggatggag atggcggcgg aggatggcgg 240
 ctgcggctgc acccagtgc aagtgcggcac cagctgcggc tgctcctgct gcagctgcta 300
 gatcattgat catcgatcat gcatgcaccg cgcgcatgca tcatatctat gatcgatcca 360
 tccatccatc tagtaccatg taacgctacc tgatcgaggg tctttgtatg ta 412

<210> 1587
 <211> 271
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl5710122d02b1
 <400> 1587

aaaaaaaaa aaaaaaaac aaaagaggca ctaaaaaaa aaaaacagaa acacaaaaaa 60
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 cccttttttg gggcccccaa aaaaaaataa gggggcgggg ttccccaccc cggggagggg 180
 gaaaacccgg ggggtcccca aaaaaaaccc ccggggaaaa accccccttt tcccaggggg 240
 ggaaaaaaaa aaagggggccc cccccaaccc c 271

<210> 1588
 <211> 214
 <212> DNA

<223> Clone ID: uC-tsfl5710122g07b1

<400> 1591

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agactctgta accattagcc gtccagcaca atgaaatgaa atgaaagggc gttgctcctg 120
tcc 123

<210> 1592

<211> 241

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122g12b1

<400> 1592

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ccctcgtgaa ataaaagctt tcctttacaa gagaacggca ctctgtttta ttttgtcttg 120
tgggtagga agaagccac tgaacaatct ttaatttctt ttctaccgaa aaaaacatgg 180
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g 241

<210> 1593

<211> 67

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122h03b1

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<210> 1594

<211> 343

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl5710122h04b1

<400> 1594

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ccgctccaac ggcgctagcc tcggcagcgt cagcaacggc ggaaggatca ggtgcatgca 180
cgtgtggccc atcgagggca tcaagaagtt cgagaccctg tcttacctgc caccgctcag 240
cacggaggcc ctctcaagc aggtggacta cctgatccgc tctaagtggg tgccttgctt 300
cgagttcagc aaggtcgggt tcattctccg tgagcacaat gcg 343

<210> 1595
<211> 278
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl15710122h08b1

<400> 1595
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cctacaagtc cgaggccgcc gaggtcgaga aggtccacta ctcccgcttc aagtgggccg 180
acggaaagca gccaagccc accatctgcg aagatgataa atgaaagatc cggtgccatg 240
gtgacacagt cctttctacg gacgttttga aaagctat 278

<210> 1596
<211> 247
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710001b11b2

<400> 1596
tcgcttgat cttagagggc tgccgagtta ccgaaggctg taaatgcttc acctgctatc 60
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gtcatcaact tcggccatgg ttaggtatgc agaaaactag atagatgttg gatctggctc 180
catcctgttt tatttgcagc taacctgacg atgtaagtgc gtttgatact cgctctgata 240
catctgc 247

<210> 1597

<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b10b1

<400> 1597

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atgtaataaa agggcagcct cttccgctcg acgaacatgc ggtgattgac ctagcggtat 120
caagttgctt gcagttt 137

<210> 1598
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b12b1

<400> 1598

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gtgatggaat gaaacatgta ccggttttg 89

<210> 1599
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d02b1

<400> 1599

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cgtcaaagct tcaaagaaaa tcaactgact tgataagatt ttccggtctc 170

<210> 1600
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d05b1

<400> 1600

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tagcagtagc tggttgttca atggttgctt cagtgttctg aatttctgat gggcaaacac 120
tgtgtttgcc gagatatatg aatccagagt taac 154

<210> 1601
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007d07b1

<400> 1601

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cgcgagcgag gagaccgtcc tagggttcgc gcctccccgc cggccccgc ccgccgatcc 120
tctccccgcc gccgcccccg aggatcc 147

<210> 1602
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f08b1

<400> 1602

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<210> 1603
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007g09b1

<400> 1603

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cttttggttt tccaatgaga tgtgcagtgg tgattgcggc acacacttag aaggtgttcc 180
aacataagct ggaattctgt catacggacg acaaacttgt ataccagga tgctgtatta 240
tcttgcccat ttatggcaac attagcttgc gtgtttttcc tcttttcctt ttttaaccat 300

ttcatttggt actagaggat ttggtcggct ttatactagt aaaaactatt tgggggtgcc 360
aatgccatcc tgggtcccat taataaagtc acccaaagta catact 406

<210> 1604
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h10b1

<400> 1604

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tacaatgagg catggtgaat caactgagct tgcaaaacat cgaacgagca atcagcaagc 180
ctgagttaag tttgacatcc tcggctagaa cagtacgact caacaatttg agcgatggat 240
ctgcagtgcc tgcaatagaa gatccatcct tgcgtgccat cctgtgttcg gaccaaatac 300
atgtcatttt cttaatgtgc ttttatttat gtttctggaa tgtgggggct tcttgcgcca 360
tgccttccaa acggcgatag ggttcatgtg atgctattac ccggttaatt gtctt 415

<210> 1605
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017h03b1

<400> 1605

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caggatcaaa gattctccta gcacc 85

<210> 1606
<211> 113
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018a07b1

<400> 1606

tcgtgttttc ccagtgtgta tgaatgaggc ttgtagctcc ccttttgcct gatgatttac 60

aggacagtac atttgctgga agagtgaaac aatttgacac ctgattagaa tct 113

<210> 1607
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001c03b2

<400> 1607

tataatttaa aaaaaaaagt aaaaaaaaaa aaaaagaggg aaaaaaaaaa aaaaagttgg 60

aaaaaataaa accataaaaa aaaaaaaaaa gaacaag 97

<210> 1608
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001c04b2

<400> 1608

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gctcggcctc gacttcgact tcgtcgacgt ctacctccgc accggcgccc acaagcagcc 180

cgactttctc aagatcaacc cttttggcca gatccccgcg cttcaagacg gggaggaagt 240

tgtcttcgag tcgcgcgcca tcaaccggtg cattgcgacc aagtacgggg cggccctgct 300

gccgactccg tctgccaatc tggaggcgtg gctggagggtg gaattcaaca attttacct 360

tcgtcgc 367

<210> 1609
<211> 142
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d02b2

<400> 1609

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gaccacgttt tgctgcataa ccgagattta aataaaaaac cactaaactc aacaacaacc 120

aacataaaaa ccaacctaac ac

142

<210> 1610
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d04b2

<400> 1610

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agacgatgac agctaataaa gccccgaga gggagccaat ggactgggac cctgaaggga 120
gcacagacca cgggtccacc tggaaaacta aagat 155

<210> 1611
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d11b2

<400> 1611

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cccactccca cctaccatcc cccgctcttc tacacatcga ggacgaaacg gtggtgaggg 120
agccggggga ctagctgcta ggcggaggag gagatggagc gagggctcgt cgcattgctg 180
ggtctggggc tggcgcttct tctgctggcg ccctcccgac gtctcgctc ggccgctccg 240
gtggaggacg gcctcctcat gaatggtgat ttcgagacag caccacctgg cggtttcgtc 300
aaatctgctt cagtttccga gggcgagcg accccaagct ggatgatcaa tggaacagtt 360
gagctcattt ccgcaagcca gcaccagggt ggcatgatcc ttattgttcc acatggcgat 420
catgctgtgc ggctagggaa tgatgcaggc attgggcagg tgggtggagg tgagaagggc 480
tcatagtacg cgatcacatt cagggccgcc 510

<210> 1612
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001d12b2

<400> 1612

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cccgaagaa ggacgggggc ggcgaggaag ggaagcagca accgcagctg gttccggcgc 120

acaagccgaa cctcccctcg cagccagacg tggacgaccc cgccaagggc gggctccggg 180

aagacgtcct cgccgcagag aaaacccatg acatggcggc gctgtacgaa gacatggcgg 240

acgacggcgt gacggaaaag gacgc 265

<210> 1613

<211> 161

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e03b2

<400> 1613

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tcggagatct cgcctcgccc gccggcagca gccatggacg ccgttgactc ctaggtggac 120

cccttcgctg agttcgcaag gacagcgtcc gcctcgacaa g 161

<210> 1614

<211> 303

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e05b2

<400> 1614

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ccttgagcgc cacttcggtg ttttttgcgt acgtacgagg tacgcgcttg acacggtcgc 120

tacacccgac gagcacggtg tacgtcgtct cttccaccgg tgacaggcgc cgggcgcgag 180

acactgagcg ccagacgtga gcgagcaggg actggaggga cgagaggggtg gctgtggagg 240

tcgccgagcc gacgccggcg ctggccacct cggcgttcgc tctggacttc agcttcttga 300

tgc 303

<210> 1615

<211> 455

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e10b2

<400> 1615

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caggacacga ggcaaggaaa gggaccgcag gaagagagcc agaagaaacc gacccgagcc 120
tcaacgcgga cgaagccgga acaaacgaca aggcaaaaag ggccacaaac agaaacgaaa 180
acagccaaac aaacgggcg gggggaaccc acaaaccggg gaaggaaaag aaggaaagag 240
gggccagaga aaaaccaggg ccgaggcgaa aacaacacaa ggagcaccac cgagaaaaaa 300
agcacaggca aagaagaaaa acagcaagaa aacgggaaaa acaccaaggc aaaccaaaga 360
cagccagaac aaaggaaaaa aagaaccccg aaaggggggc ggaaccacca ggggcaggaa 420
ggcaaagaaa aaaaaaaaaa aaaagggggg ccgaa 455

<210> 1616

<211> 142

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001e11b2

<400> 1616

aaaaggagga aggacaagaa agcctcccca acccgggggg ggggagacaa aacattcaaa 60
acgcagcgta cagaaaccag gagacaagaa ccagcgcacc aaacctcaaa caaacaggga 120
cagggggggc gagcgggagg gc 142

<210> 1617

<211> 426

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710001f05b2

<400> 1617

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tttaaacaaa aactaaagt gttaatgatt catacacttg tcgttattta tgtggtctat 120
ataggccatt gttatattat ggtggggggc atgttttaag gggacacagt ttgtccgcct 180

tctgctcggg gggagaacat tttgtctgtg ggggtcccctc agtctaatacc tggggaggag 240
 ctgacacccc gtgtgggggg gaaaaccctg gggctccccg acttaagggt ttaggaatga 300
 tacccttttt ccctgtggg tgataatcct ggagggggcc caccctatcg tccctcccaa 360
 catctcgcat ttcaataggg gtatgggggc cgcctctttt gggggctttt atgggggggg 420
 gggggg 426

<210> 1618
 <211> 381
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710001g04b2

<400> 1618

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 gggcgcgga atcgctgact tcttatgcaa tcgacgacca ccacctagct aatcggctaa 120
 acatcgaacg tatcgagaca gtcgagcgct gggttaaata attatgatga cgcttgctac 180
 tataatgagt gagaagtatc acctcacctg cagccatgcc tataagaatg agcgcagctc 240
 ctataattaa ggcacttcaa gaacttgatc tctacggtac tgcacgtata acgaacgtgc 300
 gaacctcact gtaaaaaggc cttgaggcgg agtgtgacaa cctcgagccc aatgccccct 360
 taataaacat atcaagtttt c 381

<210> 1619
 <211> 303
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710001g05b2

<400> 1619

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 agcgatggtc atctgccaac ggacaacagg agactggaac gtgtggtgca cgaaacgaaa 180
 agaataactg caagccctgc gccactgcat agatgaacaa cgcaacggca catgctcttg 240
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<210> 1620
 <211> 486
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
 <223> Clone ID: uC-tsro5710001g07b2

 <400> 1620

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gcagaggact gccgcggcag catcgccact gctccaggat cagcagcaag aaaagcatga  120
agctgctgat ccggtgccgc cgccgccgcc gcgatcgacg ctgtaccagg cgctgacgtc  180
gacggcgagc ctggccaacc tgctccccac aggtacggtg ctggctttcc agctgctcgc  240
gccgaccttc accaaccacg ggcctgcga cgccaccacg gcgctgctca cgcggtacct  300
cctcgccgtc ctcgcgctct cctgcctcct cgcttcttc accgactccc tcaatggccc  360
cgacggccgc gtctactacg ggcgcgccac cctcaggggc ctctgggtgc tcgactaccc  420
gcccggcgcg cncacgccgt cggacacgtt caggtacagg ctggcaccaa tcgacgccgt  480
gcacgc                                           486
  
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<210> 1621
 <211> 203
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsro5710001g11b2

 <400> 1621

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cggcgaccaa gggaagagag cgtgacgaga agcacgaaag ccaaccggcc gaagaaaagc  120
ccaatgcggg caggaagaag cgaaagagga agccaggacg aaagacgaac aacacagacc  180
gtcaccagca acaagacaga aca                                           203
  
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<210> 1622
 <211> 355
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsro5710001h01b2

<400> 1622

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aggagttccc cgcaggtgca aggcataatgc atcatgacgg tgcagcgagc gctcttgctg 180
gtgccgcaa agtttttggg accatgattg catcttcact gatggacaag caagggagga 240
agagcctcct cataacaagc ttttctggaa tggcggcgtc gatgttactc ctgacattgt 300
ccttcacctg gaagggtttt ggcaccttat ttcggcactc atgcctgtgg cggca 355

<210> 1623

<211> 270

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004a02b1

<400> 1623

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ctggagaaga gcaccggcat ggattgcatg gcattgcact tgaaagcgta agtgataaca 120
gggatcgatg acaggagata ttgggttcac atgcaaaca cagagttag gttccagtcc 180
gtggcgtaac tgaaccaa attcgtggat cgaggtgttc tcgggagatc gactttcact 240
taccggtggg gacctacagc ctttacttta 270

<210> 1624

<211> 115

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004a05b1

<400> 1624

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tccgttgaac cagggcgccg tgcctacgca ccaacctcga tcatggaatt ccccg 115

<210> 1625

<211> 205

<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsro5710004a06b1

<400> 1625

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cactgtcggc tgaacctggg gagtccgagc ctgtacacct gccgcaatca tggccataac 120
gcagccatag ttctttcctg gacggactac ataacaaaag atgatactga gtgcctccct 180
tatttcgatg ggtgagcaac tgaac 205

<210> 1626
<211> 315
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsro5710004a11b1

<400> 1626

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accgttacca cgagaccccg ggagggccga tctctgaagg gtggcaaate tctgccttga 180
aatataagaa cgtgaattac actttcgta gtgtttttgg aatcgtgttg gacgcccggg 240
tagattgatg tatatacgca tgctgatatc agagggatat gccaatagtt ttggctagat 300
gggattctaa aaaga 315

<210> 1627
<211> 287
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsro5710004a12b1

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gtgcttgtgc atcacaggtt ttgatagctg ccatacccat tcagagtagc tgccgataga 180
agtccactac agatgacaaa aggtgatcat acctcaata catgtttgag taactgagta 240

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287

<210> 1628

<211> 196

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b05b1

<400> 1628

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gagccgactg gtaaaaccct ggggggtaccc aacttaatat gcatggagca catccctctc 120

ttgccagctg gaaaaatagc gaagaggtct gtaccgatcg ctctccaaac aagagcgcat 180

cctgcatggc gaatgg 196

<210> 1629

<211> 398

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b07b1

<400> 1629

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tggcattcag tgaaattaca gcggtctcca atgctttccg gggcctacag gactttgatt 180

tttacggcaa aaaaatgcgg gtacaatatg caaaaacaaa gtctgactgt ttgcaaaaag 240

cagatgggtc ttatgctcct aaagagaaaa ggaagaagca agaggagaaa gctgcttgaa 300

aaaaactgcg aactgaagat ggacaacaac ctgggtgctaa tgctcctggt gccccaagca 360

atggaactgg tcatcaatct tatctttttg ccaagtct 398

<210> 1630

<211> 432

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004b08b1

<400> 1630

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 caatgctgct gcttctgcag ctgatggcag ctccgcggac ggtcatggcc gcccgacccc 180
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 aatccttttg ccgttgcagg tggcccgaact gcgtgaagag ggatgacttt gctagacgac 360
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 ctgactatca ta 432

<210> 1631
 <211> 363
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004b09b1
 <400> 1631

tcttggcgcc caagaccggc tgccaccca acaagtcctc cccgcggctg gtggaccca 60
 agcccagacc tggcacgccg gtggagtgcc agcccagaca agggcctgaa gcgccggagc 120
 aagagcagga ggaggaacat gagcagaagc ctgtcatcgg tctggccgac cccgcggcga 180
 tcacgacggt gaccgcggcg gccgatgagg aggaggagag cttcgacttt ggggtggttcg 240
 accagtacct gacgtggccc cggacggtgc tgaacgagcc ggacgtagac gtggtgccgt 300
 cgccggagga ctggtagcgc tagctgcagg gggaggaccc gcttttcgtg gggctgggcg 360
 agc 363

<210> 1632
 <211> 274
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004b11b1
 <400> 1632

tttcctttca ggcgtccgcc cacgcgtccg aaccaggtct gcatggtcgg cgcccaggta 60
 tcatgcgcac tggtagtggg tctgctcatg gacagcaaac tccttagcca ttccaccaac 120

atatggatcc aaggggacgt gtgctccaac acccacctgc acctcggcac atccctgagg 180
 tccaacagat gcatgggggtt ggtggtggag gtattcaaca tccatatgac atgggaagct 240
 aacttgatgca agatgctgct ctgtgatctg ctac 274

<210> 1633
 <211> 266
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004c01b1
 <400> 1633

ttttcttga gagcttgagc cttgagctcc acgataacct tagggatcca gccagcattg 60
 gacgggagca acgcaatggc ggagctgctg cgagcggccg atttctttga cctgcgcgcg 120
 gcagcgccgt tcgtggcggc ggtggtggcg ctctactttc tggctgacca gctgtcctac 180
 ctccgtaaga aaggccccct gtcaggctccg tcgctcgtcg tgccgttcct cggcagcgcc 240
 gtgcgcatga tccgcgaccc cacggg 266

<210> 1634
 <211> 180
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004c03b1
 <400> 1634

ttgtgctagc tcacagctca cgagtactac gtacatgtat acgtgttgat cggggcgaag 60
 ttagcgtata caagtggcga gcggtaccta gaggcagggg agaggggaagc tagagcagtg 120
 gtcgtggcca tgggtgcccc ggagatcaag tacttctcgc aggcgaagct tggccggcgg 180

<210> 1635
 <211> 250
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004c07b1
 <400> 1635

tttttgaaaa ggaggaggaa tctagggaa cttaggaataa tgggcgagcg ctctggagga 60

gccagggata caggcacgcg agggcagcaa gggaaggata caatggtggc accgaaactc 120
aagtctcggc tcgttgctta tacagtcccg acgacttggg aaaacattgg tgtgagcaaa 180
atTTTTtagca ttactaccaa tactgttggt gcaagatggg gtaatactta ataggctcct 240
acctgatttc 250

<210> 1636
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004c09b1

<400> 1636

ttgcgggggg cccttccata cattcatgta agctgtaacg ggtatgcagg aagtcaagag 60
ctgggatgct tgctgttggt tcaagatgta aacattgtgt agtgacgtcg gaaatgaggt 120
accacttctt atTTTTtgc tctacatata tactcgtata gtatttgcg agatttttat 180
ccccaagttg tcaactgtata ttatatataa atatgtaaca gggaagtgat ttctgtccag 240
aagtgtaaag ggagtatggt ggactgacaa tatatatata ttattatttt taat 294

<210> 1637
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004c11b1

<400> 1637

tttattaaat ggtgaaccac aacaatagat aagcctaact ttcacaaaaa gaatcaatgg 60
gcggactatc 70

<210> 1638
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004d02b1

<400> 1638

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aagaagtgtg gagcacgctg ctgctacctg gtcgcgctct cagcagtgtg aatttccaga 120
agcatgcttg ccgatgccttc ttccgggtgc accggaggcc ggcttgtgag caggggtgct 180
ttagtgatgc agaagaaaaa aggcaagtct tattggcaag ggaaggctac tcctttcttc 240
caggtctccc tctctccatc taaatccgtg tttggaggag ggggctacgg ttagtttacc 300
caccggttta tcgtgtcctt gtgagttgtg gtcattatca tgcactccgt atgtgcttgt 360
aatgtatggt gtccttgaat ttcagctaca taatggccgg ttgagaaagt gaatgggagt 420
gtgttcatgt gagtaaatta 440

<210> 1639
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004d03b1

<400> 1639

tgttttcagt cgctaaggat gatgctgctt tgatgcatat aaaaaaaaaa aaaaaaaaaa 60
agaactaaaa aaaaaaata 79

<210> 1640
<211> 291
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710004d06b1

<400> 1640

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cacacgggat gcccgaggtg cagttagnna cgcggaagct attggtcgat cttgatgaga 120
acgccccctg tcatcgggac tgagtggggg ctggaacgga cattgcggct cgctgagcca 180
gcccattgact aaggatgaac tggttggcgg cctccgctcg ttgggtgtac actgatccgt 240
gatgtaagcc tgacggtgac gaaatgaaga actggcactg gggtgggctt t 291

<210> 1641
<211> 455
<212> DNA

<213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004d09b1
 <400> 1641
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 cggggcgcg taagggcggc aaggggctcg gcaagggcgg cgccaagcgc caccgcaagg 120
 tcctgcgcga caacatccag ggcatcacca agccggcgat ccggaggctg gcccgagggg 180
 gcggcgtgaa gcgcattctg gggctcatct acaaggagac ccgcggtttg ctcaagatct 240
 tcctcgagaa cttcatccgc gacaccgtca cctacaccga gcacgcccgc cggaagaccg 300
 tcaccgccat ggacgtcgac tacgcgtca agcgccaggg acgcaccctg tacggatacc 360
 gtggctgatg agcctctgcg cttgctggcc ggccgaggcg cacaagccct ggctcgcgga 420
 caaaaaattg aggagaggaa aaagctgtat tttaa 455

<210> 1642
 <211> 314
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004e03b1
 <400> 1642
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 aatggccggg ccggtcgccg gagtgcgcg cggcgcgctc gcgatctgca tgggcatgta 120
 ctgtgaccag gtctctctcg aggatgcgtt cgcgacggtg aactacacgg ttaacaacaa 180
 ggtctgtatc ttgaccttcc tgtggagcca taagagggtc catgaacctg gtcgtgaact 240
 tgcacctgca cagcaaccgc tctagcacct ttcttgggca ccttcgtaaa agcctgccat 300
 aatgcctgca tata 314

<210> 1643
 <211> 419
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710004e05b1
 <400> 1643

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 cattcgctcg cgagctaaaa cgacattatt cacatctcag tctggggttg cgaattcctt 120
 cgggttccgt agtagacgcc ttagcactaa gcgttaccgg aatatgcttt ggaactcgtc 180
 tgtacttagg actaagatta gaaccaatag cgctttcacg cagagtcaag catccgttgc 240
 aagcttctgc acagtataca gtgggtatat acgatgcctt cggcaatata gctagtcctt 300
 ttggaaccgc ggggtggaggc gcattgcacc ggattgagag attaaaaaaaa aaaaacaaag 360
 tgggtttttt cgataaattt aaaagaagaa atgtagagag ctgtaagaag agccctttt 419

<210> 1644
 <211> 251
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e07b1

<400> 1644

tgtctttgtg attcaacgag tgctaagctg aaactggcgt gttcctatat cctagaaacc 60
 ggtactctga accacttacg tataactagt ataagtattg gactgattcc tgggtacttta 120
 gtggcaaaaa ccatatggct gaagtttgaa ttgagtagcc ggttgttttg tgttgatgta 180
 ttgtttatat aaatatgcac ctgtcttgtg tatatggaca aatgtatgaa tactagtcct 240
 gggttttggc t 251

<210> 1645
 <211> 437
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e08b1

<400> 1645

tttctttcta gacaggcttc gtttcctccg gcgacggcgg aacgagcgag agagtcctcg 60
 gcgcggccga caaccggttg tgggatcgcg cgaatcagtc gtcgccaagg gccgtataac 120
 tagcgttacc gcaccgtgcc gcacgccatg gcaggtaata acccaccacc aaagccatgg 180
 gaacgtgttg gcactttatc tgggtccagcg ccttttaaac cctcatttgg aggcagcaca 240
 agtgacgttt ttgaggcctt tgggaccata taatctgggt tagttgtttc tgttgcacag 300

agctgtgctg ctttcaacgt gaacatttca attgcagggc ctgtgtctct gtgttcttgt 360
gttcagcaag gtttctgaaa ttctttatgt gggttttggt tctcgatcct aaaattcata 420
tggaggattt ggtgggg 437

<210> 1646
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e09b1

<400> 1646

aaaaaaaaa aaaaaaata aaaaaaaaaa agaataaaaa aaatataaaa gtacatggcc 60
gtaaata 67

<210> 1647
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004e11b1

<400> 1647

tgttttacgg gctggacctg gagctccacc ttgccgcgcg tgatgacaac ggtgacggct 60
acggtaacag gaacaacaac aagaacatgt gcggctgagg ctacggcgcc ggagggcggt 120
gcaacaacag gcggaccgtg gaggcgctga gatgaaccga ctttgcttga cccgacctga 180
ccgatgatta gttgtagagc ggttaacctt gctttaattg cttatatgat ctgcgatccg 240
agccgatagc ttagctcctt gcttttcgat gagcgttggt gtacatagag ttagcggttt 300
aatccgtgat gttttgatgg gtattaacat catgttttta tttgttggtt gatttaaatt 360
tcttttttct a 371

<210> 1648
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004f04b1

<400> 1648

tttttactag ggtgtcaatg gcgctctgcca ttacaaggct gaaaatgccg tagttcaggt 60
 tttggactca gttaacatca cactgaatgc tgaggacgaa ctgaaaaacg cgcgcgggtt 120
 ggttcgcccc gtgagtgttg cctttgaggt gatcgacggt ttcaggcagt tcaagagcgg 180
 agtttacact agcgaccatt gtggtactac acctgatgac gtgaaccacg ccgtccttggc 240
 ggtcgggtac ggtgtggaga acggtgtccc gttttggctt attaagaact cgtggggcgc 300
 ccactggggt gaaaatgggt actttaagat ggaaatgggc aagaacattg ttgctgttgc 360
 tacctgcgcc ttctacccca 380

<210> 1649
 <211> 177
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710004f10b1

<400> 1649

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 cggcttgagc aagggagaga tggcggacac cggggaggag actgtgcaag cgtcgcacat 120
 tctgatcaag cacgaggggt cctcgcacag ggcgtcctgg aaggacccga tgggccg 177

<210> 1650
 <211> 312
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710004g02b1

<400> 1650

tttcgtttga gacattcacc taagccggag tcaagtgcag tgattgctgg gtgtagcata 60
 tctgcttacc actacctatc atccgtgaca tttgggaccc ttgtattccc tatggtttta 120
 tatatgtgct tgggtgtcaat aattgattga tttggaacgg tgcaaactgt atgccagaaa 180
 gcacgcctgg ctattattat tgtggatcgc atgatacttt taaaaataaa atataaatat 240
 atatttttta attctataat atatttaatt ttatatTTTT tcaataaata gggggcggcc 300
 gtttttaagg at 312

<210> 1651

<211> 184
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsro5710004g05b1

 <400> 1651

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 gttttgtggt gtgaaccttt ttcgcgtgaa tgaataatgg tgctgcgtaa aatttcagat 120
 ttgttttgct gtatagagtg gaggagcgcc tcctaggaag taagatgtgg tacgccgttt 180
 ctcc 184

<210> 1652
 <211> 273
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsro5710004g09b1

 <400> 1652

 cgaaggcata cacgcccgtg attgttgctt tgaaaaattt ttatttacct gtcagacagg 60
 acggggctga cctatggttc aggatcgaca gcaactccaa tgccatggtt tgagagcttg 120
 tttcaagctg cgagactggt aatataatgt ccagtgtggg cattaacttg ttatttcgtg 180
 ggaaatagtg aaacatgtgt gacgtgtttg tttgtttgcc attctcattg ttttactgaa 240
 catacactct gtcttgtcta ctttagttta aca 273

<210> 1653
 <211> 322
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsro5710004g12b1

 <400> 1653

 agcattctac caccgaaccg aacgagtga gtagagctg tgcacgaaaa ctttatcaga 60
 aaccatgaag ggcaccaagc tcggggcgaa gctgattctg caggccgtcc tggacatggg 120
 actgctctta cacgtgaacg catatgttaa cccaagtgc tgcaacaact gctggtacaa 180
 ctggggggcc gacgtgtgcg acgacgcca ccacaagtgt taccaggact gttctgaggg 240

ctgctggtg tgcactagcc cctaaaagag gcgctaagcg gatatgaaat ccaccgtgga 300
atgcacctgt ggccggaccct gc 322

<210> 1654
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004h06b1

<400> 1654

ttgggaagaa cccggcaggc tcctctcttt tttctcga aagactactg tgattatcgc 60
acctattaag taacctgac gtgcagtgtg gggagttatc tccgtgtaaa tacgcagtgc 120
gatgagaacc gcatatggat agttcttgtt atggaccact atttggtgta tgtatactgt 180
tgtgtttgtg tatgagctca agaaagaact gttgaagcgt cttaaaaaaa aataagattt 240
atattttgtt taactaaatt tataccttat atttttatca tgttttttt 289

<210> 1655
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004h09b1

<400> 1655

cccgtccttc tcaattcgat ctcttcacc aagccacttg agtacgcgac agaagccagt 60
gaatcagtga gcgacaggca gagagctcgg cctcgaccaa gaagaagaag aagaagaaag 120
aagcatggcg gcagctatgg cgggcgtggg tcgcaacatg gtggcgctgc tgctggtgct 180
gaacctcatc atgtacatta ttgtcatcgg ctttgccagt aggaactcta accacttcat 240
taacgggctc accaaccgtc ccggtgtcgg cggcaacggc gccacctttt actttcttgt 300
cttcgccatc ctgcgcggtg t 321

<210> 1656
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710004h11b1

<400> 1656

gaccaccggc gatccgggac gtgagtatac tatagttcac tcagctcctc ttatgctgta 60
ggctgaccct gcatgctgtg tgtcgagtca actgggtgta gaatcgccgc tgcgaggcca 120
actgtttttt tt 132

<210> 1657

<211> 458

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007a02b1

<400> 1657

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catgttcata tctacaaggc cgagtcattg tccgtgtgga agactaccat ccagagcaac 120
ctgaagtctc tcttcattt acctggcagc caacacccca aagcaatggg aaggagcaat 180
tgacagaatg gaagagaacc cctcctggtg ctttggaag cactaccgga gcgtaaaca 240
gctggaaatt gtcggggcgt gcgaggacga gttcgggggtg cccaacgacc tgcattctcc 300
tgatctgcac cttctccgc acaacctcag acggctgaaa attagttgtc ctaatctgct 360
gaatgatgaa aaccccatgc cattacttgg gagctggctg acgttcctga atgtgttgga 420
aataggggtc aagtcataca ctggcgcgac catgacct 458

<210> 1658

<211> 379

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007a04b1

<400> 1658

ggcactggcg cggaagcccg gggctcgtccc acgcgtgttc tctcccgcgc gcctgctaga 60
gcgcgagcgg gggctctaga agaaccaggc gtagctgcgc gcgcatgcaa caaagaaccg 120
gcttcgagag tggcacctaa acttcaacct acctggggcg ccatgataca acgtggggga 180
ctggcaagac caaggaggta cccaactggc atcggctcctg aagcacatgt caccaaactc 240
ccacgctggc gtaatgagcg aacggggggc cgaaccggaa cgccggttcc ccaaacagt 300

gcgcagccct gaatgggaaa atggaaacac gccagggtaa caggcgcaat taagccgccg 360
gagggtgtac aagggttac 379

<210> 1659
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007a06b1

<400> 1659

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accttgagag ttacgaccga aactggcgga tcgcatggcg cttcgggggg tggagatttc 120
tgtggagaac ctgcggactg aaagatgggc agagtagatg ctttcgattg ctggggggac 180
aacagagccg ggaaagccca ttgaacggga caaaagaagg gg 222

<210> 1660
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b02b1

<400> 1660

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ctcaccaaga aggctggaat cgttggcaaa tatggtacaa ggtacgggtgc cagtctgcgt 120
aagcagatca agaagatgga ggtctcccag cactccaagt acttctgtga gttctgtggc 180
aagtttgccg tgaagaggaa agcagtcgga atctggggat gcaaggactg cggaaggtt 240
aaggccggtg gtgcctatac catgaacacc gccagtgcgg tcaactgtcag gagcacgac 300
cgtcgtctga gggagcagac tgaagcttga tcgcggtcaa tctgacaaag gagcctctgg 360
atattgtagt tcagacgaga ctcatcgcac gcaatatagc ctaaattgac aacatacaat 420
gttatttata ggcttggttg ggttctg 447

<210> 1661
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b05b1

<400> 1661

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cgggcagatg gagttcttct atgaccaggc gccagacgcc atgcggagcg tctgctcggg 120
gctctccagc gcggcgtttg cgctgggcaa ctacgcgagc tcggcgctcg tggccgctcg 180
ggtgcgcgtg acgactaggg gcggggcgcc cgggtggatc cccgacgaca tcaacgacgg 240
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cctgctcgtc gcacgggtgg atacctaaa gaagaccgct gactaaacct ggcgatcact 360
gtgccgtatg tgctagggta cttctttgat gcaaaaacgt gtaattggga aagcttcctg 420
tgttgcggca aatccttgag gaa 443

<210> 1662

<211> 403

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b07b1

<400> 1662

gtcttttgaa gggctgcacg gtggagccgg tagcttgatc aagtggaacc ctgtggctaa 60
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gcatgctcaa ggctacgtct ccattgggtg cgagccgtgc accaggcccg tgttgccggg 180
gcagcacgag agggaagggg ggtggtgggg gaggacgcca cggccaagga gtgcggcctc 240
cacaagggtg acatcgacag ggaagatcag gcaccaagg tcggcggtta cggcaatggc 300
tcggccgagg cccgcgcccc agacatcttc cagagccagg ccatcgtaaa ccttaccctg 360
cccgggatcg agaacctcct gcggcttgag aaccgcgccg agc 403

<210> 1663

<211> 465

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007b08b1

<400> 1663

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ctccgtggtg	gtatgcagat	cttcgtcaag	accctcacag	gcaagaccat	caccctggag	120
gttgagtcct	cggacaccat	cgacaacgtc	aaggccaaga	tccaggacaa	ggagggcatt	180
cccccgacc	agcagcgtct	tatcttcgcc	ggcaagcagc	ttgaggatgg	ccgcaccctt	240
gcggattaca	acatccagaa	ggaatccacc	ctccaccttg	tcctccgcct	tcgtggtggc	300
atgcaaattc	ttgtcaagac	cctcaccggc	aaaaccatca	ccctggaggt	tgagtcctca	360
gacaccattg	acaatgtgaa	ggccaagatc	caggacaagg	agggcatccc	cccggaccag	420
cagcgctga	tctttgccgg	caagcagctc	gaggatggcc	gcacc		465

<210> 1664
 <211> 432
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsro5710007c03b1

<400> 1664

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agtatgaagt	cgtcaggaaa	tgaagggcat	gatgttccaa	caattgagac	tgccgttgag	120
acgcgaccag	tttgctctct	gtgccaggat	tcggattcca	aaagtcgact	ctgctgtttg	180
attcgtcttc	aggctgcat	ggaaactatg	atggcagaga	ctggtgaaga	tggtcagacc	240
ccaagttcaa	ttgcagagct	cgtttccaag	gtactctccc	atgtcagttc	cacaagctcg	300
ctggagtcgc	cggctgttca	agttcttgag	gataaactcg	aggcagaaag	acgggggtgca	360
gctgcgctcc	gggaagaaaa	tagcgccctg	aagaagcgag	cagaaaaagc	tgatgtggtc	420
atcgcgaaac	cc					432

<210> 1665
 <211> 390
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsro5710007c04b1

<400> 1665

tcgttttttgc	caagctgcaa	tcattggcaaa	aatgggagct	gatcaatcaa	aacctgctga	60
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ttgtatgaag tcgtcaggaa atgaagggca tgatgttcca acaattgaga ctgccgttga 120
gacgcgacca gtttgctctc tgtgccagga ttcggattac aaaagtcgac tctgctgttt 180
gattcgtctt caggctgccca tggaaactat gatggcagag actggtgaag atggtcagac 240
cccaagttca attgcagagc tcgcttccaa ggtactctcc catgttagtt ccacaagctc 300
gctggagtcg accgctgttc aagttcttga ggattaactt gaggcataaa gacggtgtgc 360
agatgcgctc cggaagaaa ttagcgccct 390

<210> 1666
<211> 398
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710007c09b1
<400> 1666

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atcggggaag aggctgtaaa tctatttgac atgttcaaag atctatcggt tttaaatgtg 180
aaggcaacct ctctgaacct cttaaagat gaccctgaaa tgctagggta tctcgagcaa 240
attggcgatg tagctcaaga gggtaatgtt ctcatctcac caatggaaat tcaggcatac 300
aagttagacc tacagccacc atcatcacca gaagaatagt atgtcgaaac tgtacgtttg 360
ggccgctttg ccactaattg gagaaaggat ctacttgg 398

<210> 1667
<211> 394
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710007c12b1
<400> 1667

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ggacgatgag gaggaatacc acaagttcaa gtcggtgatc aatgatgacg atgacgatga 120
gggttgcgac caggacgagg accacgacca gtgaagcgga caatgcggga gctgctgtgc 180
gagaagcgac ctgagctgtg tgcggtggtg tcataaggag cctatccatg tgcactagaa 240

ttataccaag cttcacttga catcgcgatg taacattacc ttatttttttg tgattgaccg 300
gctataaccg atagcgctcc ctgtaggcgc cgctgccggc ggggtgccct tgtgttgag 360
ggtgtatgct cccagcgcct ggggggccct gctt 394

<210> 1668
<211> 61
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710007d01b1
<400> 1668

tttatccgc acccgccac cagagacaca gggcaggcgt ctcaccacc aggtccagct 60
t 61

<210> 1669
<211> 441
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710007d06b1
<400> 1669

ggcttctcct actagtctga aaatctctct cacatcgata agagaaggga ggctgcaaac 60
tgttggtgag tgcttgccc gagaatatag aatggtttgc catgtgatgc gcggtgactt 120
cagcagagac ttctttgagg gatgcagggc gatacttgta gataaagatc gaaacccaaa 180
gtggatgccg ccaactctgg ataaagtgca tgacggggta gttgcaaaat atttctccaa 240
ggtcgacgat ccacagtggg aagatttgaa cctgccaaact agaccttccc atggaagaag 300
aattgttccc aagctctgat ggaagtctca ggctggatcat agtgaggagt aacttatatt 360
agtgtcatgc atataatact agcctaagtt actaccttca tagtgcaaaa aacatagtag 420
tagtgtcatg gaggacttta t 441

<210> 1670
<211> 78
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710007d10b1

<400> 1670

ttggcgcggtg ggaaaaaaaa aaaatagggg ggggtttttt aaaaaaagaa gcactttttc 60

aaaaaaaaaa aaataggg 78

<210> 1671

<211> 116

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e01b1

<400> 1671

ggggaggaat tcatggccca agagacagtg attgggcacc tggggatcta agatgagaaa 60

ctgaaccgcc atatgggcat ggcggagcct aacgaaggac tggaactgct tgtgga 116

<210> 1672

<211> 473

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e02b1

<400> 1672

tttgtttgtt gcatctttga aagatgattg agggggcaag gttccacaat atgttaggtg 60

gtggtggtgc tggcatcggc ggcggcagag ggaagctgga gaacgagggc aacggcttct 120

acgacatgcc gtattaccac aaggtcgggg agagctccca catgtcgggtg gacagcgcg 180

acaacatgaa ctcgatgaac tacgtcggcg gctcggtcgc catgtcgggtg gacaacagca 240

gcgtggcctc caacgagtcc cgcaccgtca tgctcaacca cccgggcctc cgtgatgttc 300

ccacaccaaa ctattcgggtt tgcaacagcg tcatctatcc caacaaggct gccgcgtctg 360

tcctcaagga ggatgctttg gctcgggttt tgatggaccc aactcatcca acggagatac 420

tcactaacta cgaggcgtgg accattgatc cggggaagct ggacatgggg gct 473

<210> 1673

<211> 400

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e03b1

<400> 1673

ttttctcgta cggctcgacg gataagtagc tagcatgatt tccggaagga agggcggcct 60
ctggaagaag gcagtgacca ggctcgtaa ggccgggctc ctttttcccg tcggacgatt 120
ctggcgctac ctaaggaagg gccgctacac gcagagagta cgttcctgcg cccccgtcta 180
cctgggcacc gcaactggagt acctcgctgc cacggctctg gagcttgccg gcaactctgc 240
caaggacaac acgaagaccc gaatcatccc tagccacctg ctgttcgccg gacgcaacga 300
ccaggagctc agcaagctgc tcgccggcgt caccatcggc cacagcggcg tgatccccaa 360
catcaacttc cggtctgtcc cttagaagtc ccccgccgcc 400

<210> 1674

<211> 307

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007e04b1

<400> 1674

atacgttttt tcctaccgct catccgaaac gtgagttgac tattattcag tcagaacggc 60
tgctgctgct agttggccct gatcagattg tgcacggaca actggtataa tcatggccct 120
ccattctcat tgtttctatg tagaggacgc tacgaccaa gagcaactta ctgccccact 180
tcgttcgttg gaacaacaac tgagccctga tgtgaccctg acggggacca aagaagaact 240
ggtgctacgg gcagcacaac tgcaagagga acttggtgcc acgaggtctt agcatgacaa 300
ctcgacc 307

<210> 1675

<211> 434

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f02b1

<400> 1675

gtttcgctgt tcgtgatgct ggcccgggag cccatgggtgc ctttcatgga ccggccattc 60
atgaccagca tcgtgttcgc gcacgacaag gagggcacct ctgtgctctt caaggtgctc 120
tccgccttcg ccttccgtga catcagcctc accaagatcg agagccggcc gcaccggccc 180

atccgccttg ccgacgatgc cgacagcggc accgccccga agcagttcga gtacatgttc 240
 tacgtggact tccaggcctc cctggccgac ccgcgcgtgc agaatgcact tgctgaggtc 300
 caggagttca cgttattctt gcgggtgctc gggagctacc ccatggacat gacacctatg 360
 gctgccggcg ttgcctcact cgattccttg tcggcttatt cgtcttcttt gattggattt 420
 gatagagtta atta 434

<210> 1676
 <211> 484
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710007f03b1
 <400> 1676

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 ataataaatg ccttggtgtg ctgtcagggc acacttttag tgtgtagtct ctgacatgcc 120
 attggggggg gcctgttctg gggatccagg gttcctgcgc cgggtttgct gcgctttggg 180
 tttttttttg ggaccctaa ttcaaattg ggggcggtgt tttcacaact gctgggcccg 240
 gaaaaccccg ggggtcccca agcttttctt cttgtggaga tttccctttt catccagggtg 300
 ctgttttgac aataaggccc tctcttttg cttttctaat ggggtggtgca tcctgtgggg 360
 gtattgggag cccctgttc agggcatttt attcgggggtg gtggagttgg ttccccccag 420
 gggaaccctt tctttttcca ttcccgtagc ccccggttt tttggatttt tttccttttt 480
 tttt 484

<210> 1677
 <211> 343
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710007f04b1
 <400> 1677

ttgttgttca cacaaaaaac aaacacaaaa gaggggggatt ttttaaaaaa gcaccgtcga 60
 tgtctatggc ctgccccagt tgaggccgct ttcccaacct accggcataa accctggccc 120
 cttattaggg ggcggccctc ttgggggtcc caactttcct aacgctgccc tgcaagccca 180

tctcccttct ttggggcccc caaagtccac ttcacggccc gctttctacc accgttggac 240
 cggggaaacc ccggggggcc cccccctaat tggcctggga tcacaccccc cttaccctg 300
 ggggctttta atgtaaaggg ccccccccg atggccttcc cca 343

<210> 1678
 <211> 164
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f07b1

<400> 1678

tttgttacgc gtccgaccac gcgtccgctc tagggggaat gttccacac tggctctact 60
 tacaaaaaaaa aaaaaaaaaa aaaaaaaaaac aaataaaaaa aaaaaaagaa agaaaaaaaa 120
 aaaaaaaaaa tacaaaaaaaa aaaaaaaaaat acaacaaagg gaga 164

<210> 1679
 <211> 481
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710007f09b1

<400> 1679

tttctaatta ctgactgcat caggcgacca atctgtaaag atatggagca tggatgaataa 60
 gaaatgcctt ggtgtgctgt cagggcacac tagaagtgtg aagtcaactga catgccattc 120
 ttcaaatcct gatcttatta tttctgggtc aagagacggt tcttttgcac tttgggatct 180
 aagatgtgac ccccaaacc ccaatgggtca tggatgaagca tgactcatgt gtcgaattgt 240
 tgatggaggc ttcaggccgt ccttctcaag gagatgaggc tggccattaa ggatctgggg 300
 tgaaggtcat gttatctctt ctctgtggctc tactgcccac tgcttccact gctgatattt 360
 tgagctcttt gatcagagca tgcaccatgg gaagatgaaa ttggagcaaa ccaagccaac 420
 ataatctatg tccctttagg aggcgagtgg atgcccgaag gatgttgggg gcgtgaactg 480
 t 481

<210> 1680
 <211> 261
 <212> DNA

<210> 1683
 <211> 263
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsro5710007h01b1

 <400> 1683

 aaaacggttg ttattcaccg agtcctactg gtcggggggg gaggtttttg aaatgccatc 60
 aggggatttc tcccataacg gcgataactt tggaagccaa caaaacgcgg tatcatgggc 120
 cgggttcaac attggctgaa gatgcccggg tggacgagta ccgaagcacc ttgcgtggga 180
 ctagtcatat tgggggaaga actgaacctt gaggtaaggc tgggtgctgc cagagaggat 240
 ctaagccttc gtctagccaa tct 263

<210> 1684
 <211> 360
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsro5710007h02b1

 <400> 1684

 tcccatgcga tttgttaatg acacaccctg catttgaagc tgcgcgcctt gttcgggaagc 60
 cgggggcccc ttgctacggc tgagacatag gccaggggag aatcaacagt tcttactcct 120
 tggtttgac ctgtgtgctg ccccggtggc tcaaaccctg ccatgataag cagttaagca 180
 cacaacttgc tgaacgaaat gacaaggaac tactgttggt ggtgtcaaaa caatgatata 240
 attgggaatg tgagatcacg gacatcggtc agagaaacc ctgcactgta agctgcatgc 300
 actcgtagc tcgtacataa cctgtgatgg tgtgagagta tacgtgaata acgggggggt 360

<210> 1685
 <211> 354
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsro5710007h03b1

 <400> 1685

 gttcttcaca ccatcttaat taccctgaca gagatgggtt tgtcttgtgt tagtgaagct 60

cgctcggcta gaaaaaacat ggcggcttcc cgtgcctcgg ctgcactgct tgctgtggcg 120
gtactcatgg tctgctctcc ggcgcctcct gttctggcca ctgacccgac ccagctccag 180
gacttctgcg ttgctgatat aatgaaccct gtgattgtga atgggctcgc gtgcaagaac 240
atgaatatgg ttacggctaa cgacttcttc ttgcccgggc ttaacaagcc tggcatgttg 300
cacgctcacg gctccgcggg gacacccgac actgcgcggc agctgccggg gctg 354

<210> 1686
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h08b1

<400> 1686

tttctaagct catcttcttc tcttgaaat cttttggggg tcatcagatt tggaggatgt 60
cttgcaactg tggatccggg tgcagctgcg gctcactg caagtgcggg aaggtgtacc 120
ctgatctgac ggagcagggc agtgccgcgc cccaggtcgc cgccgtgggc gtcctcggcg 180
tggcgctga gaacaaggca ggtcagttcg aggtggccgc cggccagtcc ggcgagggct 240
gcagctgcgg cgacaactgc aagtgaacc cctgcaactg ttaagctgca tgcactcgta 300
ccgtcgtacg tacgtgtgat ggtgtgagag tatacgtgaa ttaccagcgt ctgatctgat 360
ggagtcgagc aagggtgcgt gtgcatgtgc ctgtggttta ccttgcttcg tctcccctat 420
gctctg 426

<210> 1687
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710007h11b1

<400> 1687

gtctttacca cccagagcag agccgcggca ggggggagtg tacacagcga cgggggtcct 60
tttcgccagc gcgctggtgg cgatcccagag ctcaatggcg ctgatggacc ggctgcggct 120
gggccggctg tcggcggggc cgcgcacgag gacggaggag ggcaacctgc ggcagatcaa 180
gccggggcgg caccgcaact tccaggagtg ggcgaagcgg ac 222

<210> 1688
 <211> 334
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710017a02b1

 <400> 1688

 tgcgggatac ccgaaacacg ggatttcttt cgagggtccg gagcgagagc tcaccgggac 60
 ctagacagca ccgaacttgc ttggggcgag gcctgacgag ttggggcacg gacatgagag 120
 acagtcatgg gccctttgac ccaggagtcc actgtgttaa aagtgaacac tagagacaaa 180
 ctggaacaac agcttaacgc ttagctgggg gaacaactga acatttatag ggagactggc 240
 cgggacaaaa gataaactga aaatacgagc ggcagaaaca aaagaggagc tcgaagacac 300
 acagactaag aacggtaaca accgaggtgg taca 334

<210> 1689
 <211> 151
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710017a05b1

 <400> 1689

 ggtccggcct ttgcgggtgg ccctaaacgc gggttggttt ccggcgcccc gacgcgtgag 60
 ttcaccagga tacatgcaga aaccgatgcc gctgatgaaa cagccgcgca gagtaagtgg 120
 ccaacaacac ggcacaggag gacctgagag c 151

<210> 1690
 <211> 52
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710017a07b1

 <400> 1690

 gagtcctttt aatattaccc ccgcgtcgct ggcgttccgg gatgggcttt tt 52

<210> 1691
 <211> 485
 <212> DNA

<213> . Triticum aestivum

<223> Clone ID: uC-tsro5710017d02b1

<400> 1691

gatggatttc tatgaaagga tgggtgatac attagctatc cagtacggtg gttctgctgc 60
tcacaacaag atcttctgtg agcaaagagg gcagtggaag gcagcaaccc aatcccagga 120
gttccttcga acccttcaac gttactacaa taatgcttac acagatcctg agaagcagga 180
tgctataaat gtattcttgg gtcatttcca gcctcaacaa ggcaaacctc ctctgtggaa 240
gttggactca gatcagcatt acaatatcgg ccggcaagga actttaagtg aagaaactgg 300
aagatatggc cgtgtgggaa taagcgagtg gtgcatgtac cacttaagtg gggcactagt 360
gactgcatgg tgctacatg tgatgtgtgc ttgtgggaat atttctataa gcatgtaatg 420
gttcgtctgt gttaacgtga acacacgtct ccgtgtgatt tctattgtca aaacacctac 480
atttc 485

<210> 1692

<211> 402

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017d05b1

<400> 1692

cccgttgat gcggacgcc agcggaagg caacaacgcc tctgcccgat acccgaaaaa 60
caggtttact tccggcgacc cggcgcgagc agccaccatg agtcagacag caccgccgaa 120
gccgttgca gaccccgagg agcccgcgac cgaacaacag gcgaaaccat ggcacctacg 180
gggccactgc aactccgcg gaggagccca acgacgaaag atgaacagaa tggcccgcca 240
ccgccccgca gggagaacac accgacaccg cgacgaaagc ccagacgggg aacgaaagaa 300
gaaccggcgc ctccgagagg cagacctgaa agaggagccc gacgacacga ggccaagct 360
cggcactggc cgccgaccaa caacgccggg actgggaaaa ac 402

<210> 1693

<211> 60

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017e09b1

<400> 1693

ttgtttttct tgtgcatagc ggttctacag ggggggatgt tttttttagc acccatcctt 60

<210> 1694

<211> 264

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710017h10b1

<400> 1694

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gcgagggggg atgattagac acaccgctgc tgccccggct gaccctgcga gatcgagtcc 120

gcccactgg cgaatcacgg ccctccgggg cactgttcc tctgcggagg agtccatgac 180

taaagaagaa ctcgattgac agtctccgat cgctgggaga acaactgaac cgcgatgtca 240

cctcagacag gtacgaaaga agaa 264

<210> 1695

<211> 68

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018a05b1

<400> 1695

cgggacgggc ggggtagagg cacctaacgc gcggcaaccg gccggcggac cacaacggcg 60

cgcgcgac 68

<210> 1696

<211> 218

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro5710018a06b1

<400> 1696

gtgcttcag cgngaattgac cgaggccagc gggggggcct tatgcaagaa gacctacagg 60

acagcacatc tgatggaaga gtgaaacaac ccgacccccg agcagaacca aggccctcag 120

agacaaaaga aaccctggag aagccagcag aacaaaaaac aaacaaacca ggggcggccg 180
 acccagggaa cacaagctcc acacccacgg gcaaccga 218

<210> 1697
 <211> 361
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710018b01b1

<400> 1697

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 gctgctatgt gctccatatt ggaaattggg attggcttgt tgattaatag tagtactact 120
 tcttagagga gattacaaga actccttacc gtcattgtttg tatgttcaga tgattggtgt 180
 accttttcgc attaaaaaag atgtttgttg taatgcctaa aaaaaaaata aaaaaaaaaa 240
 aaaaaaaaaa aagaaaaaaa aaaaaaaaaa aggcaaaaaa aaaaggaaac aaataaaata 300
 aaataaacac aaaaaaaaaa aaaaaataaa agggggggggg ccttttttagg ggtcccaagt 360
 t 361

<210> 1698
 <211> 219
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710018b02b1

<400> 1698

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 ctgctatgtg ctccatattg gaaattgcga ctggctcgcc gattaatagt actactactt 120
 cctagaggag actacaagaa ctccttaccg tcatgtatgt atgactcaga ccattggtgc 180
 tcctttccgc attaaaaaag atgtctgtcg tattgcctt 219

<210> 1699
 <211> 405
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710018c06b1

<400> 1699

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gaggtagccg ccgacgccgc cgttgacaca ccggcggcga agccggccaa ggccggccaag 120

gtggccaagg ccaagaagtc cactggcccc aagaagcccc gcgtcacccc ggcccacccg 180

tcctacgccg agatggtgtc ggaggcgatc gccgccctga aggagaggag cgggtcgagc 240

accatcgcca tcggcaagtt catcgaggat aagcacaagg cgcaccttcc ggccaacttc 300

cgcaagatcc tgctgaccca gatcaagaag ctcgtcgccg ccggcaagct gaccaaggtc 360

aagggctcct acaagctcgc caaggccccc gccgacgtca agccc 405

<210> 1700

<211> 489

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018d05b1

<400> 1700

ttcttttctcg cgaaaatgtc gactgaagtg gctgccgctg acatcccggg gcctcaggtg 60

gaggtagccg ccgacgccgc cgttgacaca ccggcggcga agccggccaa ggccggccaag 120

gtggccaagg ccaagaagtc cactggcccc aagaagcccc gcgtcacccc ggcccacccg 180

tcctacgccg agatggtgtc ggaggcgatc gccgccctga aggagaggag cgggtcgagc 240

accatcgcca tcggcaagtt catcgaggat aagcacaagg cgcacctccc ggccaacttc 300

cgcaagatcc tgctgaccca gatcaagaag ctcgtcgccg ccggcaagct gaccaaggtc 360

aagggctcct acaagctcgc caaggccccc gccgccgtca agcccaagac ggcgaccaag 420

aagaagcccc ccgccaagcc caaggccagg cgccagccaa gaagacggcc gccaaagtccc 480

ccgccaaga 489

<210> 1701

<211> 388

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710018f01b1

<400> 1701

tttctttcgt ccgcacaaac ccaagcacat cagtagatcg gcatggcgca cttccaggag 60
gtggactact gctcggagga ggtgagggcg gcgggctacc cggtcgccg cggtgcggc 120
ggcgtgcagg agcacatcgt caaggagacg ttcgtgcagg agttcgacac cgccggccgc 180
cgccatggtc accacggccg tggctccggc cacttcgagg tgcgcgagag taggctggag 240
gaggacatca acacccgcac cggcgagttc cacgagcgca aggagaactt cgtcgtcagg 300
gccgatgact aagcttacac gttacggagc aactacgat gtgtgtatat gtcggcatca 360
tatatatgta tgtgtgatgt tgcgcaca 388

<210> 1702
<211> 512
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710018f05b1

<400> 1702

accacgcgt ccgccatttc ctgcctgaat tcacattatc taagttagtt gccagggtcaa 60
gcttcagaca ggataggcac ttggacagga acatggatgg ggacaaccct gattttcagt 120
tccttcaact ttatttggtc ttcctctaaa gatgtatgct aaaattaaaa ttcctttttc 180
tccaagatag agacacataa attgccataa gagaagtcca gagaccggca acttttgttt 240
gcactgttca acttcagaca ggatttctcaa cgagactgc gccaatTTTT ctttcttaag 300
gttcggttcg tttaatccca cccccgccag gatcgagggg gtatttggtc cgaaccccg 360
tgggttttac cctcgcaggg gtttggtacc ccgcttagct tatatgcata ttcgggttaa 420
cccgacggg tttattttcc atccaaaacc ccctcaaacg cagggattca ccgggttttg 480
ggccacgtct tcctccgcgt ggaaaaaac ca 512

<210> 1703
<211> 467
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710018g03b1

<400> 1703

ttcccttgctg attgttcgac cccccgtctc cgtccaatcc aagtcctttt cataactaagt 60
 gacaccttct gaacatcgga gtttttttcg gaaaggaagt tgaaacctca gcctctgcat 120
 cattctgaac attggagtta acggagctgg ctttgcattg cttttcctat gtgccaatcc 180
 agtcttctga tatagatgtg ccatctctct ctgcatgaca agttctcagg tactcttctg 240
 ctgatgaant tctccacac ctgcagtgc aagaaaacgc tgaagaagtg gttcttcac 300
 gacaagacag tgggctaaga aaatccagct gaaagagaga cgaccgccgt accgagcaca 360
 ctttttcttc gtccgaccgc atggatttga gcaacggctc accggctcatc agtgatccga 420
 tggcaatgag ccagtcgttg atgggagtgc tgccttccaa catgatg 467

<210> 1704
 <211> 361
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710020a01b1
 <400> 1704

ccacgacca gaacagaagg gcaccgtgaa ttttacagaa acggtgctg ttgttaccg 60
 acgatcaaaa ggacaacccc gaccacaaa aataatcaaa gaccttcgc gacatagacg 120
 atccactgag aaccgcacaa ctaaagacga acaacaagg cggacacgct gagatgaact 180
 aacaactaat cccgatgtt ataccacacg gggacaaaag aaaaactggc gctccccacg 240
 gaaaaccgga aagaggacat tgaagacacg acgactaac tatgaactaa gacgcctgga 300
 ccaatcgccc taccacaaaa acgccccac ctacaaacta aagggacgcg cccaataacc 360
 g 361

<210> 1705
 <211> 340
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710020a03b1
 <400> 1705

ccctgaagag aacggggccg aacaaccggc gaaaacaagg ccctccgggg ccaaagaggc 60
 cccgaggagg agaccacgac gaaagaagaa ccgaaagccc ccctccgctc gctgggagaa 120

caacagaacc gagatgtcaa ccagacgggg accaaagaaa aactggcgct ccccgaggca 180
gaaccgaaag aggaacctga agacacgagg cctaagctag gcacagaacc gacccataac 240
aaccacccga cagggaaaac cctggcggaa cccaactaaa aacccatgca gaaccaaccc 300
cctatcaaca gcgggcaaaa aaacaaaaag gccagaccg 340

<210> 1706
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a06b1

<400> 1706

acaacacaaa cccacaaaac acaccaccaa acaaaaccca ccccaaaaaca caaaaaccaa 60
aacaccccc cacacaaac acccaaaaaca acaaccaaca caaccaaaca acaccaaac 120
cacaacaaa aaaacacacc aacaacaaa aaaaccaaca acaacacccc cccaaaaaac 180
acccaaaacc 190

<210> 1707
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a07b1

<400> 1707

caccctgaaa agcacaaccc ccaacaaccc cccaaaccaa ggaccccccg ggccaaaggg 60
cacaccagc caggaccca caaccaaaga agaacaaaa gcccgccacc gccacaagg 120
agaacaacca aacccgaac caaaaccca ccaggaccaa aaaaaaac ggcccccccc 180
gagacaaaac agaaacacaa ccccgaaaac acaaggccaa acccagacac ccgccccgcc 240
aaaacaaaac cccaaaccca aaaaccccca cgaaaccaa ccaaacgcc caaaaaaaca 300
accccccaa gccaacggac cgaaaaacaa aaaaccccc caccaaacac ccaccaaac 359

<210> 1708
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020a11b1

<400> 1708

ccccggaggg accggtccga tttccctttg gttcacgcgt cgggatccgt cggtcgatcc 60
agaggagatg ggctcgttgg agattacagc cacggagggtg gcggcgctgc tggatctgaa 120
gccgcacccg gagggcggtt tctacgccga gaccttcgc gactcctccg tctccctcag 180
caccgcccag ctcccgccgc agtacaaggt cggtcgtgct gtgagcactg ctatctatct 240
cttgcttctt tcagggagtg tttcacatct gcatcgtatt ccttgcgctg aaacctggca 300
tttctacaag ggagagcctc tcacggtatt tgagctacac gacgatggcc acattgacct 360
caccgtaatt ggtccgcacc tagatgctgg gcagcgcccc cagtacaccg tgccaccaaa 420
tgtgtggttt ggatctttcc ctacgttggg tgttgagtcg tttgcatccc atggcagcca 480
tcttgtgaac tctcggaagc gagaccccga gagcactact ccc 523

<210> 1709

<211> 517

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020b01b1

<400> 1709

aaaaccaaac aaaccacaa aaaaaaaaaa acaacaaaaa acacccaaaa aaaacaaaga 60
aaaaagaaaa caaacaaaca acaaaacaaa aaaaaaaaaa aaaacacagc caaacacaaa 120
aaaaagaaca caaaaaacaa caaccccaag aaaacaaaaa acacaaccca acaaacaaaa 180
aaaaaagaaa aaaacaaaac accacaaaac gacaaaaaaa caaaaaaaca aagaaccaca 240
acaacacaaa caacaaaaca aaaaaccaca agaaaacaac acacagacac aacaaaaaaa 300
aaacaacgcc aaaacgagaa aaaaaacacc cagcagaaca aacaccaaca aaaacacaca 360
acaaaaacaa acaacaaaac aaacaaaaca aatacaacac aacgagacac aaaagcacia 420
ataaaagcac accaaacaac aacaaaccca aacaaaaaac aaaacacaaac aaaacaaaaa 480
aaaaccgaac aagaccaaca agaaaaacca gcaaaaaa 517

<210> 1710

<211> 283

<212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710020b04b1

 <400> 1710

 acccagagga ggaagggagc aaacaaacgg ggaaaacaag gcccgaagga gccaaagggg 60
 aatgaggagg agaaaaagac gaaagaggaa cagaaggccc ggccacgaga gaagggagaa 120
 caacagaacc gagacgacag ccagaagggg acgaaagaag aaccgggagc cccggggggg 180
 agagcagaaa gaggaggcgg aaaacacgag gcccaagaca ggaacagaac ggccacaaaa 240
 acaaagggaa agggaaaacc ccgaaggaaa caaaaaagaa aag 283

<210> 1711
 <211> 404
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsro5710020b06b1

 <400> 1711

 caccngagg aggacgggga cgaacaaccg gcgaaaaca ggccccccg ggccaaagac 60
 acacagagga ggagaccacg accaaagagg aacggaaagc cgggccccgc acgcggggag 120
 aacaacagaa ccgagaaggc agcccagcgg ggacgaaaga aaaaccgagc gcccgggcgg 180
 cagagcggaa agaggagAAC gacgacacga ggccaaaaca cggcaccgag ccgccacaaa 240
 aaacagccgg gacgggggaa aaccagccga gacccaaca aaaagccacg caacacaaac 300
 cccaccccaa gcaggggggaa aagccaaaaa ggccgaaccc gagcggcccc acaaacaggg 360
 gcgcaaccg aaaggagaaa gggcccagga gggggaaaca aacc 404

<210> 1712
 <211> 376
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710020b09b1

 <400> 1712

 aaaaaaaaaa aaaccaaca aaaaaaaaaa aaaaacaaaa caaaaaaac aaccacaaaa 60

agaaaaaaac aaaaaaccaa aaaaaacaca caaaaaaaac aaacaagaaa acacaaaaaac 120
 aaaaaaaaca acaaaaaaca aaaaaaaagc aaaccaccaa aaaacaaaca aaacaacaaa 180
 caaaaaaaca acaaaaaaaa ccaaaaaaac aaacaaaaaa aaccaaaaaa acaaaaaaac 240
 aaaaaaacia aaaaaaaaaa aaaacaaaaa aaaaaaaaca aacaaaagaa aaacacaaaa 300
 aaaaaacaca aaaaaaaaca acaacaaaaa accaaaaaaa acagcccaaa aaaaaacaaa 360
 aaacaaaaaa aacaaa 376

<210> 1713
 <211> 269
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710020b11b1

<400> 1713
 acagaggagg agcaccacga cgaaggaaca acagaaagcc cggacacgga gagacgaacg 60
 aacaaaagag cggggacgtg agccagacgg ggacaacaga aaaccgggag ccccgcgagg 120
 caaaggagaa agaggagaat gaggacacga cggccaaagg aggaacaaga cgagccggga 180
 acaaaagacc gaaccggaaa acgcagcgac gacccaacgg aagcgacgag cggggcaacc 240
 cccgagcaaa agcgggagga aaggcgaag 269

<210> 1714
 <211> 371
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsro5710020c07b1

<400> 1714
 aacgctgctg ctcgagatcc gaaaaccggg gctccacccc cgaaccggcg cgagagaaca 60
 gtgtgacttt taaaggaccg ggccggctgt ccccgaccc agaggagggc gaggccgaac 120
 aaccggcgaa aacaggggccc tacggggcca aaggaacccc ggggaggaga ccacgacgaa 180
 agaagaactg aatgcccgcc tccgctcgcc gggggaacaa ctgaaccggg aggacagcca 240
 gacggggaca aaagaagaac cggcgccccc cgcggcagag ctgaaagaag agccggagga 300
 cacgaggccc aaaccaggga ctggccgaag aatgacaacg acgtgaccgg caaaaccccg 360

ggggaaccca a

371

<210> 1715
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020c08b1

<400> 1715

aaaaaaaaa aaaaccccca caaaaagaaa aaaagaaaaa acaaaaaaaaaa acaaaaaaaaaa 60
aaaaaaaaa aaaacaaaaa aaaacaaaga aaaacaaaaa aaagacaaaa acaaaaaaaaaa 120
aaaacaccaa acacaaaaca acaaaaagaaa aacaaacaaa caaaacgaaa aaaaaaagaa 180
acaaaagaga aacaagaaac aaaaaaagac aaaacacaaa aaaaaaaaaa acaaaccaaa 240
accaaaagac aaaaaacaaa aaacaaaaaa aagaaaaaga gaaaacaaac acaaacaga 300
aagaaaaaca aacaaacaaa aacnaaaaaa acaaaaaaca gaacaaaaac aaaaaagaca 360
acagagagac caaacaaaaa acaccaagaa aaacaccaaa 400

<210> 1716
<211> 464
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020d01b1

<400> 1716

aaaanaaaaa aaaaaaaagt gttnaattaa aagaaaaagc cttttaaaaa ccaaaaaaaaaa 60
aaaaaaaaa aaaaaacccc caaaaaaaaaa aaaaaaaaaa aaaacaaaaa aaaaaaaaaa 120
aaaaaaacaa aaaaaaacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaa aaaaaaaaac aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaacccaaca aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaa aaaaaaaaac aaaaaaaaaa acaaaacaca caaaaaaaaaa acaaaaaaaaaa 360
aaaaaaaaa acaaaaaaac caaaaaaaca aaaaaaaaaa aaaaaaaaaa ccaaaaacaa 420
acaacaccaa aaaaacaaca aaaaaaaaaa aaaaaaaca aaaa 464

<210> 1717
 <211> 398
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710020d05b1

 <400> 1717

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accagaaga gaaagagccc agacaaccgg agcaacaag gcccaaaggg gccaaagaaa 60
gactgggaag gagcccatga caaaagagga actgaaagac ccgccacgct cgcagggaga 120
acaactgaac cgccaagaca ggacagacgg ggacaaaaga agaacggggg caccgcgagg 180
cagagcagaa aaaaggagca cgaagacaca aggactaagc gaggcacagg ccgaaggaaa 240
aaaacagagt gaaagggaaa aaccaggcgt aacccaaaaca aaaagcccag aaaaacaaac 300
acccaaaagac agccggcgaa aaagcgaaaa ggcccggacc gaacggccac ccaacaaaag 360
cacaaacaga aagggcgaaa ggccgcagaa gcggaaaaa 398
  
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<210> 1718
 <211> 451
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710020d07b1

 <400> 1718

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aaaaaaaaa accacaaaaa aaaaaaaaaa accagaaaag aaaaaaaaaa aacaaaaaaa 60
aaaaaaaaa aacaaaaaaa agaaaaaaaa cagaaaaaaaa cagaaaaaag aaaaaaaaaa 120
aaaaaaaaa acaacgaaaa caaaaaagaa aggaaaagaa gaaagaaaca aaaaagaaaa 180
aaaaaaaaa aaagaagaaa aaaaaaaaaa agaacaaaaa aaaaaaaaaa aaaagaaaaa 240
aaagaaaaa aaaacagaaa aaaaaaaaca aaaacacaaa aacaaaaaaa aaaacacaaa 300
aaaacaaaaa aaaaaaaacc accaaacaaa aaaacaaaaa acaaaaaaaa aaacaagcaa 360
aaaaaaca aaacaacagga aaaaaaaca aaaagaaacg aaaagcaca aaaaaaaaac 420
aaccaaaaaa aagaaaaaca aaaaaaaca a 451
  
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<210> 1719
 <211> 184
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020d08b1

gaccagagg	agaaagagac	cgaacaaccg	gcgaaaaaaa	ggcccaaagg	ggccaaagaa	60
acaaagcggg	ggagcccacg	acgaaagaag	aacagaaggg	cccgccgcag	caagcagaaa	120
gaacaaaaga	accgagaaga	cagcccagaa	cggaaccaa	agaagaaaca	ggagcgacga	180
gagg						184

<211> 451

<213> Triticum aestivum

<400>	1720
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gctaatacctt	agaggagttt	ggcctagtg	cggggattgt	tttcatgccg	atgaggattt	60
tgctgccggc	gcgcccagac	cgcgttcgg	ggttcctggc	gatactcttg	ttgggtgg	120
cggttggctc	gctgctgtt	gaaggaggt	cgctggaatc	ctcgaaata	agctcgatgt	180
cttccctgg	atgcaggaat	ccccttcgt	tgctctcgcc	gacggcagtc	accatgg	240
tggtcaagtc	gacggggact	ggatatga	cggctcttgc	gaccggttcc	agagcaa	300
atcgatgg	cttgagctt	ggcgctccc	gcggacagcc	ggcttgcagc	gccgccgc	360
caccgaatcc	tctggccaaa	gggggggcaa	acctcttcct	cctagccttg	aagctatatg	420
ggagggaggt	gctactctag	ctcgatgttc	a			451

<211> 349

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020e08b1

<400> 1721

cccgaaccgg cgcgagagca caggggtgact tttagaggac cgagccccgc tgtacccccg 60
accagagga ggaaagagac cgaacaaccg gcgaaaacaa ggccccacgg ggccaaagaa 120

gccccgagga ggagaccacg acgaaagaag aacagaaggc ccgccagccg acgctgggag 180
aacaacagaa ccggaagcc agcccgacgg ggaccaaaga agaacagggg cccaagcgg 240
aaaaacagaa agaggagcac gagaacacga ggaccaagca cggagacgag ccgacgaaac 300
acaaaaaacc agaatggaaa aacccccgcg gaaaacccaa acggaaaaa 349

<210> 1722
<211> 376
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710020e10b1
<400> 1722

ggggggcgga aacgatgccc ctggccgtcc gaaacccggg gctacaaccc ccgagccggc 60
gcgagagcgc agtgtgactt ataaaggacc gggccggttg acccccgacc ccgaggaaga 120
ggggggcgaa caaccgaaag aaacagggac cgaagggggc agagggcaaa gcggaggaga 180
ccacgacgaa ggaagaacag aaagcccgcc accgagcagc gggggaacaa cagaaccggg 240
aggcgagccg gacggggaca aaagaagaac gggcgccacg agggggcaaag ggggaagagg 300
accaacgagg acacaaggcc caaacgagga accgggcgaa cgcaccacaa aaccgagac 360
ggggaaaaaa ccagga 376

<210> 1723
<211> 406
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsro5710020f02b1
<400> 1723

aaaagaaaaa aaaaaaaaaa aagaacaaa acgaaaaaaa aaagaaagaa aaacaaaaga 60
gaaacaaaaa gaagacaaaa aaaagcaaaa gaaaaagaaa agaaaaacaa aaaaaaaagc 120
aaaaaaaaaa aaaaaacagg cagagaaacg aaaacaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaacaaaagaa aaacaaaaaa aaaagacaag aagaaaaaac aaagaaggaa agaaaaagaa 240
aaagaaagaa gcaacacagc aacaaagaaa aaaaagaaag aacaaaaaaa cgagagaaga 300
aagaagaaga agaaggacaa cgaagaaaac aagcaaaaca aaacaagaaa agagaaaaaa 360

aaacaaaaca aaaaaagaaa aaacaaagaa aaacgaagga gaagag

406

<210> 1724
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020f03b1

<400> 1724

aaaaaaaaa aaaaaaaca aaaaaaaaaa aacaaaaaaa aaaaaaCaaa aaaaaaaaaa 60
aaaaaaaaa aaacaaaaaa aaaaaCaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaacaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaacacaaa aaaaaaCaaa 180
aaacaaaaaa aaaaaaaaaa aaaaaaCaaa caaaaaaaac aaaaaCaaaa caaaacaaac 240
aacaaaaaaa aaaaaaaaca aaacaaaaac aaacaaaaaa aacaaacaaa aaaaaaaaaa 300
acacaaaaaa aaaaaaaac accaaaaaac caaacaaaaa aaaaaaaaaa aaacacaaca 360
c 361

<210> 1725
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020f11b1

<400> 1725

gaaacccggg gctaacaacc acgaaccgga gcgagagaac agtgtggggtt ttaaaggacc 60
gagcccgctg acccccgacc ccgaggagga gaggagagaa caaccggagg aaccaaggac 120
caaagggggc aaagggggaa aagaggagga gagccagaac aaaagaagaa ctgaaagacc 180
gccaccgccc cgggggggaga acaaacagaa ccgcgagagc gaagccagac ggggaccaa 240
agaagaaacg ggggcccccg agaggcagag gggaaagagg agcttgaaga caccaggccc 300
aagagaggca caggacagac cgcaacaaag ggggggaccg ggaaaaccca ggc 353

<210> 1726
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g03b1

<400> 1726

acgaacggga gcatgcgacg agttgtgttt ttaaaggggc gatccggttg caaccaccg 60
gccgggggtg aacaacgcgg cgactggcaa aaccatgggc gcaccgaacc aaagcgcctc 120
ggaggacaag cccatgacga aagat 145

<210> 1727

<211> 342

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g08b1

<400> 1727

cggacacgga atgccctggc cgctccgaaa aacggggata caaccacga gcgggcgcgga 60
gagaagagcg tgacttttga aggaccgaac ccgaagtaac ccgacgccga ggaggaaaga 120
gcgcgaacaa cagaacgaac cagggaccta acgggacaga ggggcaaaac agaggagtcc 180
acgacgaaag aggaactgag agaaagccgc cctgagccga gcgaacaaac agaaccgagg 240
ggccggccgg acggggacga aagaagaacg ggagccacga agggcaaagg ggagagagga 300
gcaagacgac acaaaggcca agctgggagg ggggacgacg ac 342

<210> 1728

<211> 62

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g10b1

<400> 1728

cctcgcgcgg ggggacgcgg gggcggacgc gtgtgcggta ttgtaatggg cggacgcgtg 60
tg 62

<210> 1729

<211> 389

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020g11b1

<400> 1729

cccacgagcc ggcgcgagag aacagcgtga cttttaaaagc accgaacccg catgaacccg 60

accctgaaga ggacgagtcc gaacaaccga acgaaccagg gccccacaag gccacacggg 120

gaaaacagag gagtccacga agaaaaaaga acagaaagac cgccacccca agccggggga 180

acaacagaac cgagacccca accggacagg gacaaaaaaa aaaccggagc cccgaagggc 240

aaagcaaaaa gagcaccaag aagacacgag gcccaaacag ggcacaggcc caccctaaac 300

aaccgccggg accgggaaaa cccaggcgca acccaaaca aacgcacaac aaaacaaccc 360

ccaaaagccc aacggacgca aaaaacaaa 389

<210> 1730

<211> 525

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro5710020g12b1

<400> 1730

ccagggcgaa ggcaaaaacg ccgtagcctg agactccgaa aaacggggct accacccgcg 60

aaccggagcg agagaacagt gtgagtttta aaggaccgag cccgctgaac acccgacccc 120

gatgaggang agacccgaac aaccggcgga agcaaggccc tacggggcca atggagaaac 180

agcggaggag gcccaggacg aaagaagaac agaatgcccg cccccgaaag aaggaggaaa 240

aaccaaaccg ggaagacaac ccgacggggg acgaaagaag aacggggcgca ccaggcggca 300

aaaccacaaa aaggaagccc gaagacacca ggcccaaaca cggcaacagg ccggcaacca 360

acaacgacga gaaaggaaaa accccgaacg aaccacaac aaacaacgag agaaaaaaaa 420

acccaacca caagcggccc aaaaacgaac aaggacaaa acgaacaccc cacacaacca 480

gagagcgaaa ccaaaagaca aaaggaagca cgaagaaaaa caaac 525

<210> 1731

<211> 227

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro5710020h03b1

<400> 1731

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gaccaaagaa gaaccggcgc cccgcggggc aaaccgaaa aaggaccccg acaacacaag 120
gccaaccca ggcaccgacc cacgaaccac aacgaccca accgagaaaa ccccgacggc 180
accaacaaa aacaccccg c aacacaacc cccacacgcc aacaggc 227

<210> 1732
<211> 141
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsro5710020h09b1
<400> 1732

gccaaaaccg aataaccttt acattcaaaa accaggatgtt aaaaccacaa accggagcaa 60
aagaaaagtg tggnccttga gagagcgagc cgtataaaa ccaaccccca aaaaaaaca 120
aaacacacaa ccggaaaaac c 141

<210> 1733
<211> 322
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024a09b1
<400> 1733

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ggccgcgggga tctacaacat gtctaatggg atcgggaaaa aggagtgaat ttctgtgggt 120
tttgctagta tctcagtaag cggcatggaa gcaatactgc ccaagctatg atgtcatctt 180
cgtttgcaaa taatattgtc agagaaagac tcgggtccat ttcattgttct cttttgctgg 240
tatttgcgga tgcttgctaa acttgcaatg atgatgctat aacatcagca tcgtccactt 300
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<210> 1734
<211> 460
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsro5710024b05b1

<400> 1734

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 tcatcagcaa cccggacgaa gagcgccgpc tcaacgacga cagctatcgc gacgagatgg 180
 ccgacgcgat cttccgcggc atcaagcgtt atttcgccgc gaaccgccc ctcggaaga 240
 accggatggc ctgacggccg aacctcccc gccgccggca cgcagcgct gccggcgct 300
 cagcagccg cgaagcgcg catcagtttc ccgccgaaca cgttcaccgc gagccccccc 360
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 gacgacgca gcccgcgat cggcaccagc agcgagaact 460

<210> 1735
 <211> 96
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsro5710024c11b1

<400> 1735

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<210> 1736
 <211> 233
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsro5710024d06b1

<400> 1736

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 gagaaaagat cgatttgcca agtatagtgc aagtgtccca catacgaacc ttgaccgtct 120
 ttggggagtg gcaatcattg ctcttttgc cgaacacgac gatctttcca gcgcttgctc 180

taccagatgc agaaggggtt caggcccctg accttgctcc aattggaaag ctt 233

<210> 1737
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024e02b1

<400> 1737

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actgcctccg gtgcagactg aaagaggagt tgagacacag gcctaagctg gcctggcgcg 180
tttaccacgc agctggaaac cctgcgtacc cactatcgcc ttgagacatt cccctt 236

<210> 1738
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro5710024f05b1

<400> 1738

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gaccgagttc atgagcaacg cggaccaaga gcgccggctc aactaccaca gctatcaaca 120
cgagacggac gacacgatct tccg 144

<210> 1739
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro5710024f06b1

<400> 1739

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cgttcatcag caaccgggac gaagagcgcc ggctcaacga cgacagctat cgcgacgaga 180
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agaaccggat ggcctgacgg ncgaaacctcc ggcccggcgg gaacgcagcg cgtgccggcg 300
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 cccatcacga gcgccgtgcc gatcagttgc gtgcgcgtca ggtggtcggc gagcagcaac 420
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<210> 1740
 <211> 101
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710024g02b1
 <400> 1740

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 agggctgatg gtacgcgcgc tgagcggaca ggagctcggg a 101

<210> 1741
 <211> 316
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710024g04b1
 <400> 1741

ggtggcgttt aaagccaacc cagaggaggt cgtgttacia caactggact gggaatagcc 60
 tgtcgtgacc caagttaatc tgctggggag acaatgacct atgatcagct ggaggaccgc 120
 ctacagtgct ggatgaacag cccatccgaa aggtgcgcac gctgaatgcc aaagaggacc 180
 tgccctgccg cgtggcataa atcacggagg acgttggtga cagcagcact aagaccggtg 240
 ctgggttgga gcgctactac gccccgactg tgaaatctct ggcgttactt aattgacacg 300
 tctggcggca catccc 316

<210> 1742
 <211> 265
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710024g05b1
 <400> 1742

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 gccactagac ggccgacgcg atcttccggg gcataaagcg atatttcccc cgcgaaacccg 180
 ccgcttgca aaaaccgtat ggctgacgg ccgaacctcc gccgccgtcg gcacgcatag 240
 agtgccggcg cgttacgact cctcg 265

<210> 1743
 <211> 496
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsro5710024g06b1

<400> 1743
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 cgttcatcag caaccgggac gaagagcgcc ggctcaacga cgacagctat cgcgacgaga 180
 tggccgacgc gatcttccgc ggcatcaagc gttatttcgc cgcgaaacccg ccgctcgca 240
 agaaccggat ggctgacgg ccgaacctcc ccgncgccc gcacgcagcg cgtgccggcg 300
 cgtcacgacg ccgcaagcg gcgcatcagt ttcccgcca acacgttcac cgcgagcccg 360
 cccatcacga gcgccgtgcc gatcagttgc gtgcgctca ggtgttcgtc gagcagcagc 420
 gccgacgacg cgagcccgac gatcggcacc agcagcgaga actgcgcgac ctgcgcgggc 480
 ggatagcgcg acagca 496

<210> 1744
 <211> 90
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsro5710024g10b1

<400> 1744
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 ttttatgttg ttttgatca ttaagggta 90

<210> 1745
 <211> 87
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710024h06b1

 <400> 1745

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 acggagttca tgaccaacga tgacctg 87

<210> 1746
 <211> 266
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsro5710024h08b1

 <400> 1746

 aaccgttgac ttgctggcac caccatgtac aggaaaggcc gagggatcta caacatgtat 60
 aatgggagcg ggacaaagga gtgaattgct gggggctccg ctagtagctc atttagcggc 120
 atgcatgcaa tactgtccaa gctatgatga catctacgtt tgcaaatact attgtcagag 180
 agagactggg ggacattgca tgttctctat tgctgggatt tgcggatgct tgctaaagtt 240
 gcaatgatga tgctataaca tcagca 266

<210> 1747
 <211> 404
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl19316057a02b1

 <400> 1747

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 ctgttgtttt tcccttttca gaacttcaaa aattccaaga gcttgggaaa gaagaacctc 120
 taacatcact gcatgatgga ggagaaagca gcagttgcat acacgcagga cacgaaggag 180
 ctagtgaagc aagctcttct taccggtttg ggtctgaaaa gatgggagaa atggaattaa 240
 cttctctaga ttccgagata ctaaactgg tgaacaatgt agagcatctg gagatcaaac 300

tagaagaagc aaagcgtatt cttgaggtta aagaaacaca aatccgcgaa ctcgaatcta 360
ccataaacgt ttcagagacg tgtaacggag gaacagagat cggg 404

<210> 1748
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057a07b1

<400> 1748

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actcttttgg attctgaatg gatttccttg gaagttttgt aacttttggt gcagaggtag 120
atgctgattg gccttccaag tatctgagtt tggatttcaa tgccctccact ttggcattca 180
ggtcattgta gctgcagtc agcttatggg gcaattcaga taattttctta gccatttcca 240
ttgagctaga tgcttggtccc tgtagcagct gctggaccat ctgtttcatt tcagcatcag 300
gggcagcagg accttggttt tgctgaggtg caaaccagg tggtggtggt tgctggtagt 360
tcccctggaa ttgctgctta ggaacgaaac ct 392

<210> 1749
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057a08b1

<400> 1749

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aagtggaatg gctattgact gtaactagct acaagcgata tcgtggtaca ttaaccggtt 180
aaatcgata gttcccgttc ccggttaagc gtggtttcca ccatcacatc attccatgaa 240
tcaattggac caggtaagca ccaatgcaga caatcattct gaacattgct cttattctta 300
actccagcaa aaggatttgg atgcctgtac ggtcccggat gcccgctctgg acggagaaga 360
gacattccag tcgtgtctaa tagcctgatg ttggaacctt agccaaaacc tttcccaaatt 420
ttctgaaaca cctcaagctc aacatcacgc atcacatcat ctacagtttt catatttgc 479

<210> 1750
 <211> 510
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057a12b1

<400> 1750

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 catatgcaag agatggatcc agcttctggg ctgctgactc tttagcgagc ttctctgcct 120
 ttgcaaccac ctcatcgata cctccaacca tgtaaaacga ttgttcggaa agatcatcgt 180
 acttgccatc caacaaaccc tgaaacaaac acaagatgat tttggtcact tactcttact 240
 ctaaataattc tatttgataa taacaaatct atctacgccg gagtaaattt agtccatcta 300
 cacatagaca tcacaatgaa ttcttctata ctgaaaggca gttgtagcta aacttctaata 360
 acgcggacat gttaaggcag cattgaaagc tttcaggaat tcaaagcaaa atgtttgata 420
 atcatatgat tatagcaaaa tgttggttga tgtatcatatc ctggaaactg ttgatgtttt 480
 ctttaaggtc gacatatttt ccaggggcac 510

<210> 1751
 <211> 421
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057b01b1

<400> 1751

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 aacagcaaac ctctctgtct gttacagatt caagcccttt gcatcaaata atttcaaagt 180
 catatactcg aatccagatt gttttgtatg gactttgtat aagaaactta cagttgatca 240
 accaaagctt gcttagagag agcttcagac ttatcgattt tgctgccaag aatcagaaga 300
 ggaatgccac ttaaagacgg tttcgtttagc agatcattca attcgcttct tgatatcggt 360
 acactattct tatctgcagc atcaatcaca tatctgcaat attaccacag taacatatac 420
 c 421

<210> 1752
 <211> 427
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057c11b1

<400> 1752

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 aatTTTTgtt ggTTTTtagc ctcttttggg acaaaatggg tataagtatt gtttaaacac 180
 ttctacttca tctctaactc ttatgattag gtaaagcat tggattgtga cacattttga 240
 ccatagaaac actaacaag ctatttactg cttctaagca atTTTTgtt ggttctagcc 300
 tctcttgga gaaaattggg ataaatgttg tctaaacact cctaaaccgt atctaactta 360
 tataactagt caaatgcttt gaattgtgac aaaatttgat tttgaaaaca ctaacaagc 420
 tatttac 427

<210> 1753
 <211> 344
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d03b1

<400> 1753

ttccttcctt tttgctatgt atttggacaa agttgggcta aagttgggta aattcaatgt 60
 tttttttctc cctaatttag cttatcggtt atcttcttta gtactacaat gaccggtcaa 120
 aggagaaact tttgaaaagc taaccacaaa agtagctttt ttgttcagtt gagtactcat 180
 ttcgtttttc tcttatccag tctcatgttt gtcaatcttg attaggtttt tgcctctcct 240
 ctttcacaac ttcttatcaa aggttgaagg ttgaagcaat gatggatatg aaggagagaa 300
 tgggtgaagaa acttaagctt attacatctc ttgggaactt gaag 344

<210> 1754
 <211> 437
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d05b1

<400> 1754

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aaattctccc tggcgtgctt ggcgtaatac ggccttgaat tcgccggcaa aagtctcacc 120
agcctcataa cgccgccgta tactctcagc accttcttaa ttttcgatta cttctgcaa 180
cacgttacct aattctagga ctctaatact gtatcataaa catccatggg ctcttaatgg 240
gcctttaata ataagcaatc actgaccggc taaacgttca catttgaggg tctaaaaccg 300
gttcaaacia gacttttaaa gcttaaactc cttgatcttt taaaccggtc tctatcgatt 360
acagaaacca taactcaaaa catctcttta gatggaaata aacaaaaact tttattatct 420
taacacaaag ccttaac 437

<210> 1755

<211> 428

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d06b1

<400> 1755

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tctcatatat tgaaaagttt aacagcacia aacacttacc catatggcta acagcaccga 120
gctcttgaat acaatccac accatttcca tatttggtta agcaagactg aagtcctctt 180
tgacttgaca tgctcgatag catacctggc cccagatatg gtagtccaaa aggcataatg 240
gccaatgacg aaagcataca aatctacata tttttaggga atactgttaa taatgtgtaa 300
cccgtgccaa agaatgactc agaagatcaa aattaacaaa cattaccatt gcacttgatg 360
ccatgagtta ttggaagaat gggaatggca ctgaattaga gcacgtccca gcgaaactgg 420
cacaacta 428

<210> 1756

<211> 244

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d11b1

<400> 1756

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tctcttaatt gaatctttct ttacaaaatt atcaacaaag ttataaaaga aagtcccaat 120
aaccgaagaa atcgagactt acaaggcaaa gtaccaaaca caaactctct ggaatcactg 180
caciaacata tcctacttat gttgacttct tttttctcaa atctcaaaat gaaccttccg 240
tttg 244

<210> 1757

<211> 460

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057d12b1

<400> 1757

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tcgattcgtg aagcgttttg ttgaagcgct ttcggagggt cgtgttacag cacgaaatcc 120
gcagcatttg gatctcttac tgggtctcagg cagacaaatc tctgggacag aaactagcaa 180
ctcgtcttaa cgtgaggcca aacttctgaa tgatatcatc tctaaagact aagtgaaatc 240
ctataaactc aatatgctcc tcttacgggt tggtttctaa gtaatctcgt ttattgacaa 300
tgaaacgctt aaagaagggt actagttcct gtttgtaatc ttcttttcaa aatattaacg 360
attattttct aaggcaaata aataaaaagc tatgactaat atagcttagt aaacaagtat 420
tactatcatc catttggttc tactttaaaa atggattttt 460

<210> 1758

<211> 353

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057e01b1

<400> 1758

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cttctaaaga tcgctatcac tcgggttaca catcctttgg tgtgggttct cgcataaact 120
ttcacctcct ataggacgct cttcagagaa cagaggcaag aaataccctc taagcccctt 180

tagatctcat gattgggaca aagttgatag tagaagagac gctgccagga tttcgtcctc 240
 ttttggcaat acaaatctac aatggcgaga aaaaactact tctagatgca gtccaagacg 300
 ggatagcttt gaagtattga taacacgacg ttttagcccc ttttatctat tgt 353

<210> 1759
 <211> 495
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057e06b1

<400> 1759

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 catcattatc atccaaatct tcttcagatg aatcatcata atcatccaaa tccttcttca 180
 gaagcatcag tagctggatc tccttctttc cagcacagag gttcagttat cttcacagta 240
 tccttttgta catcaataac tggaagaatc tgtacctcag cgacaataat gagtctatct 300
 ctcacgagaa atccattgcc tctagcatct gtaccttacc aattgcagtc agaggctacg 360
 aagggtgcgag agtagcaatt gttatgttgc aatgaacaga agtttttcaa aaccaactg 420
 aatcttgtct ccttttgctt gctcattatt cttgatgaaa cggttgaaag tggcggagca 480
 caatagagaa tcaact 495

<210> 1760
 <211> 235
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057f08b1

<400> 1760

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 cacaacatag ccacgaatat attcgtaacc aatgggtgac gagaaaattt gtggataatt 120
 cgtcgctata caatagccac gaaaaacaac gcggcttttc gtcgcaaac caccgaatta 180
 aacatcacat catgcaacaa caccgaatta tacaatatcc acgaatggga aacgt 235

<210> 1761

<211> 484
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl19316057f09b1

 <400> 1761

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 gtccgagaca gaaatcgctt tcattcattt aaggacgggt cttgctcatg ccgtgactac 180
 tggtaaaagg ttgtggatag atgtacacca cacatatatc attttgtgga ctaatgcac 240
 cactagtgc ctcaccaatg gaagcttcac tcccaacaca aactttcaga tctctctact 300
 ctctacaact tgaggctctc atttgcgagg tttgtgggtt acattgcctt gggactgtgg 360
 gtaactttga tactttgtat tcttcttggc ctagaacgta atatacgaaa tttgtttgga 420
 ctgttatttg aaatttctaa cagattctac caaactttga ccagaaatat caagcacgtc 480
 ttcg 484

<210> 1762
 <211> 406
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl19316057f10b1

 <400> 1762

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 attttatttt tatctttcca tacatagccg aaagggggaa aatataatc aagagtgtcg 120
 ggtcccagaa gtgcatgata aataccgcca aagcccaaaa ctgcagaaga aattaagtga 180
 agtactccag atacaaagta cggaaagggt tctataactt cttccccagg acctaccccc 240
 catcctaaag tggctagggt gggaagtaaa attaatcctt ggtcatacat gggcttttca 300
 ggtacaaaat gggccacttc aaataagttc attgctccgg cccagaatac gattaatccg 360
 gcatgggcta catgagcttc caaaagttta ccagataaat tgataa 406

<210> 1763
 <211> 471
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g01b1

<400> 1763

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tatgtttctt atcacctttt gctccatcaa acaaaacttc atgaatttga ttattctgga  180
tttttttaga acacgtagtt catgtgacta tttatgtggg taaggctctt actataattt  240
ggagtatccc caacgcttta gctgtatatg ttaccttgga tagagttcta agatacaaac  300
attgtataat ctttttaaat gattctgata aactgatact gatcataata aaccaatatg  360
agaagtagca cacaaaaaaaa attacaatct agtgattttt agtcaactta cttttgggtt  420
ctggaattgg aggaaccacc tcttcagctt cagctgctgc agcaagtgtt t           471
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<210> 1764

<211> 463

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g02b1

<400> 1764

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ctgtctttct ctaacctgaa aagaagacat caatattata ctcagctgga atttaaactg  120
tttggctgga acgataaacc ggccaaagaa ctcacctggc aaaacaatta ctgaccctac  180
gaagacgcca taaacgtagc atactgaaaa taccatatcc ctgaatactc tcatgaagca  240
agctcccaaa aatttcgtaa ggaaatgtgg aaaccacgtc gaaaatcagc caagtcgacg  300
catatctcca agctattctc tttggatcat cgacaagaag ataagttacc ttgtccagaa  360
ggcaacaaag aatgtcaaga ctatatcaac agcgaaaaac ccgttgacaa tgttatcgag  420
aatactgaga ggtgggtcttg gcttttgagc aaacccaaat tca           463
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<210> 1765

<211> 323

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g04b1

<400> 1765

ctgtttggtt tgtggatttt gcacagtttt aggaaattca catattaaga agggaaatga 60
atthttgacta ttaacatacc tgttcaagtg cattaggtcg ggattcaaaa acaatcagaa 120
gtacgcctaa tggatgatgag gttttctcta agacaagacc atttgccacc tgtaaaagga 180
attgtcacia agaaciaata gcattaacia ctattgtatg tcaactagga ggatagtcac 240
attccttatt taactcatga gtatgtaaat taactatatg gtaacaattg tcctctgatc 300
acctctgttt tctttaaaac acg 323

<210> 1766

<211> 443

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g07b1

<400> 1766

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tgttacctaa ttataatatg ctaagtagag ggcactttac tttgggtgta aatgtaacag 120
aaaccctga aacgaactca agcgctcgt atgatgtgtg gtttggatcc gcatagacct 180
ctgtattgag agaaagttga ttacagataa ttagatcatc tcataaaagg aactactcac 240
caggcttttt tagtaatcaa gagaaaacat acctccttta aacttagtct gttccacaaa 300
agtattagcc tgcatacata gatggtcata acgtgagaag cagcagctta aaactgctta 360
cgcttacaaa aattgcgtat tcaaaatggt gtttacctga tcgatgcttt ccggtccgat 420
cagaacaaga gcaacaccag atg 443

<210> 1767

<211> 440

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057g11b1

<400> 1767

aatgcattag aaacttgggc tacagaaaac gtgaactttt ttaagatccc aacgaaacct 60

tcaaagatta tcattggtat ccaactattg catgctctgg atatccaact attgcacgct 120
 cttcaactct catcaacaac ttttattttg acaaagtgtg cgtcattctt acaagtttgc 180
 catataaaag aagcttatct atagctgcaa accaggagcc ccgaaacaat ggtttcatat 240
 gctgagctct tgtttgaatc aaatagactg tagaggagaa atcggcaaaa aacacaaaat 300
 aaataaaaaa cgaccagtt gtatatgttt agatcaggat ttaagccagg attacaaaga 360
 cgccatccgg ctttgtggtg gaccaacaac acagctgttt ttggaacctc aatacagacc 420
 accaaaacag ttcttgctcc 440

<210> 1768
 <211> 265
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl19316057h01b1
 <400> 1768

tgaaatataa atagatgttc ctttcgactt tttgagattt caactatc gaactcctcg 60
 tcctaagagg atgattttac gttgatgcga cataacagtt ccgactcatt actcattttt 120
 gtgatcat ggtagggga aatcaacgac tcagaaccat aaacttgga attaccaccc 180
 aatgggagaa gaatggacaa agaatttcct tgggctctgt gatcaaactc tgctggcact 240
 tctcttctg gtaacagaac cgacc 265

<210> 1769
 <211> 383
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl19316057h03b1
 <400> 1769

atgcttttca ctttcctata tatttatgaa aactgcagtt tcttatcagc cttttgtac 60
 caaaactgat tggaaagttc cccccggagc cgaggacagc cattacagcg acaaataaga 120
 caatcattga tctaacaac tgcaccattt tactcaactt atcagcgatt tttcgagatt 180
 tccatattta ttgcagacac atgaaactaa acattgttac caattctcaa aaggtgaatg 240
 aaaaatgttc tacaaaatgt aagcaacgat gtattagtgt acctgaagac gcaaggagag 300

ccacaagctt gcgattatct ctgagtaaga agtccgctgg tatagcgtca aatgctcaat 360
aaatttacct acaaaatgct cct 383

<210> 1770
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h04b1

<400> 1770

cgtactctca atcttggttc gtaagaaaat gtgaaaagaa tataaagatt tgaacaattt 60
tattcctggt tcttacaagc ttagagcaat cataatacat aacgattgta aaacagtaca 120
gagaaaagtt cttgtcatat ttttacatac ttaatctgaa gttttcttgt tctttcttgt 180
ttaagggtga gaagaaatca acagagacac aagcaaagaa gcaacgattg taaacattaa 240
aattccaata tgattcactc cgttactcat cactacttgg ttttctgtat gtacaacaga 300
gataataatc atagctatgg actatgggtc aagcttcac tgaagcgttg gctcagaacc 360
tgcaacataa agatacgaga ctttaacaac ataagagata gttctatagt ttcgatagac 420
gaatttgctt c 431

<210> 1771
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h05b1

<400> 1771

aaggatttct ttatgaacac aaggtagtga actccatttg ttagaacagc ttccattgat 60
tctctgcact tatccctttt ttcgcgcttt gtaaactccg gtttgttcgc gtaaaccagg 120
atltgggtca ggattgceca ttgttaattc cagggtttct ctgaatttga aagttatcac 180
ttagtaggtt tccataccaa ggctcaatcc aattaagtcc gtagcgtcta ccaattccgc 240
catatccctt tttttaggat ctcattatga tgtctttcct tttttttctt atgccgaaac 300
ctcgggattc attacattat agatacttat tttatgtctt tgctatcttc ttttattttt 360
ttgagctcca tccatattga tttagtctaa tcaacaaaga ttctatcatt tttgtatttg 420

caattcaata tggttatata ttacataaca tatatatggt cttttttttt

470

<210> 1772
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h06b1

<400> 1772

agtatataac ataggtgcga agttaaaaaa tgcaggtggg actattgaac gtggatggat 60
tctacgattc actattgacg tttatagggg aggcagtgga cgaaggcttc gtctcctcca 120
ccgctcgccg tatcattgtc tcggctccaa acgctcctca attacttcaa cttcttgagg 180
tttttttatt tgcctttcat tactttttga ttattctatt taatactata gactaaatga 240
acgaatccca aaataggata attaaattaa ttgaattcat ttgtaatcgc aggagtatgt 300
tccaaaacac gacgattttg tattcaaaat ggtgtgggac aataccacgg atgctttcac 360
tttggaaggc gactcgtttt agatataagg catttgatc ttagtctact tttattttat 420
tattaanaaat ctcggttttt attggccatt tcaaattttt gattt 465

<210> 1773
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h09b1

<400> 1773

cattttgacc acggaaacac taacaaagct attgactact tttatataat gttttgttcg 60
ttttagcctc tggggacact taatgggtat aaacgtattc taaacactcc taatccatct 120
ttaactcttc ttattagtca aatgcattgg attttgacac atattgacca tagaaaaacc 180
aacaaagcta ttgactgctt ctaataaatg tttgtttgtt tttagcctct tttggaggaa 240
aatgggtata aatgttgtct aaatactcct actccatctc taactcttac gattagtcaa 300
atgaaatgga ttgtgaaaca tttttaccat agaaacacta acaaagctat ttatttcttc 360
taagcaattt tttgtttgtt gttagcctct tttgggacaa aatgggtatt agtgctgtct 420
aaacactcct aatccatctt taacacttat aattaggcaa atgaattaca ttgtgacaca 480

tttgaacata gaaacactaa caaagctatt aact

514

<210> 1774
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316057h12b1

<400> 1774

tttttcttca gtacaggact aatgtttgcc aagtttcaac aatacctttc ccggggccaa 60
cattgggggat ttcaaatttg cgtgggtttg ccttaagaag agctctaaca tgagcatcaa 120
ccaaatcagt gacatcaatg tggatcccgt acgcaagttc catcacgggt tttgcagtct 180
ggtcctttga tctggggaaa aagaaaagtt aaatgaatat caatgattag agaagcttga 240
aagcttatag ccatgtgcat gtaacaagga gactaattta aacactgctt taataaagga 300
aactcaagaa ttacgtggct caattatgta ttttgtcag ctggaaacta taactactta 360
tcagctcttt tacacgcatg t 381

<210> 1775
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316001a04b1

<400> 1775

cccgcaccta gcaaattggct cgccaagaaa gccaaactgac gggattgcac atgttcagac 60
acagtaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc gccagatcc 120
caatgacgag ctagtggacg atgtccacca cgttgcagtc gcgccatggg ccccgatgc 180
gaaccccggc gacatggcct g 201

<210> 1776
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316001c01b1

<400> 1776

ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt tatagccaag 60
ggcttttggc catctccaat agctaacaag aactctttct tttctttaca aatccccaaaa 120
cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc taccttttct 180
tatcattgaa tcaaccctt tttttttttc ttttaaacac atcccaaccc aaagtataag 240
cgccccaccta gtcctatcta gtccgaaaaa tgcgaaactag aactacatga gacactatct 300
gtgcccgttac gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360
tcacaagtta tatagggctt gaaagaaagt ctaggtctgg gtttgggtta actgctctaa 420
taaggagagt cagctacttg gattaataag agtgatcaaa atgaataaga aaatccaagt 480
attttacggg atgcatgagt tcaaatttga tgcagacatg at 522

<210> 1777
<211> 554
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316001c02b1
<400> 1777

ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt tatagccaag 60
ggcttttggc catctccaat agctaacaag aactctttct tttctttaca aatccccaaaa 120
cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc taccttttct 180
tatcattgaa tcaaccctt tttttttttg ttttaaacac atcccaaccc aaagtataag 240
cgccccaccta gtcctatcta gtccgaaaaa tgcgaaactag aactacatga gacactatct 300
ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360
tcacaagtta tatagggctt gaaagaaagt ctaggttttg gtttgggtta actgctctaa 420
taaggagagt cagctacttg gattaataag agtgatcaaa atgaataaga aaatccaagt 480
attttacggg atccatgagt tcaaatttga tgcagacatg ataattaaag attagattca 540
ggttcaaatt gata 554

<210> 1778
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c03b1

<400> 1778

taacctcaaa gcgcccagat cccaatgacg agctcgccga cgatgtccac cacgttgcag 60
tgggcgccatg ggccccgtat gcgaaccccc ttgacatggg ctgggtccgct gggccggtgc 120
tgagatccgg ggacttgtcc cat 143

<210> 1779

<211> 256

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c05b1

<400> 1779

tcttcccga cctagcaa at ggtaagccaa gaaagccaac tgacggcatt gcacatgttc 60
agacaaagtt ttgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120
atcccaatga cgagctcggt gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
atgcgaaccc cgtcgacatg gactgggtcc ctgtgccggt actgtgatcc ggcgacttgt 240
cccattcgac catcca 256

<210> 1780

<211> 506

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c06b1

<400> 1780

agcggatttg gatttcttta acaactaagg ttctgtttt taacatttta aagccaaggg 60
cttttgccca tctccaatag ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc 120
tttactagac tttttctgct tcttttagett acttcaccta gagtcttcta ctttttctta 180
tcattgaatc aaccctttt tttttttctt ttaaacacat cccaacccaa agtataagcg 240
cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct 300
gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc acaaacactc 360
acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata 420

aggagagtca gctacttggg ttaaaaagag tgatcaaaat gaataagaaa atccaagtat 480
 ttacggtat ccatgagttc aaattt 506

<210> 1781
 <211> 522
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316001d01b1
 <400> 1781

ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt taaagccaag 60
 ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa 120
 cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc taccttttct 180
 tatcattgaa tcaaccctt ttttttttct ttttaaacac atcccaaccc aaagtataag 240
 cgccaccta gtctatcta gtccgaaaaa tgcgaactag aactacatga gacactatct 300
 ctgtcgttac gaacctaaac ctttctacca agcttaatcg gaataagacc tcacaaacac 360
 tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gtttgggtta actgctctaa 420
 aaggagagtc agctacttgg attaaaaaga gtgatcaaaa tgaataagaa aatccaagta 480
 ttttacggta tgcattgagtt caaatttgat gcagacatga ta 522

<210> 1782
 <211> 544
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316001d02b1
 <400> 1782

cactttgtta catctagcgg atttggtttt ctttaacaac taagggttctt gtttttaaca 60
 ttttaaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacce cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggttctgg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cggtatccat gagttcaa at ttgatgcaga catgataatt 540
 aaag 544

<210> 1783
 <211> 235
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001d05b1

<400> 1783

tcgtccacgc gtccgtccac gcgtgcgagc cgacaacca agcaaacaaa ctatggccgc 60
 cgctccttcc cccgccgtcg ccgccgtcag cagcagcgcg ccctcgacgg ggctcctgcc 120
 gccgcggcgc agcacgcgtc cgctgtcgtc gatgaggagc gcggcgccgg gcggtaggat 180
 ggcgaccgtg gcgcgcgcgg agggccacgt gggggccgtg ggcaacacgt acctc 235

<210> 1784
 <211> 431
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001d06b1

<400> 1784

aaagccaact gacggcattg cacatgtgca gacaaagata tgctgctgct gctattcaac 60
 gagatcgatt ctaacctcaa agcgcccaga tcccaatgac gagctcgtcg acgatgtcca 120
 ccacgttgca gtcgcgccat gggccccgaa tgcgaaacccc gtcgacatgg cctgggtccgt 180
 tgtgccggtg ctgcgatccg gcgacttgct ccattcgacc atccagttct cgccctcctc 240
 gtcggcgctt cagagcttcg ccgtgaccct gcaacagggtg gccccttcga agctgtccag 300
 ccacagtcgc agcggcattc agatcctggt tctggacgtt gctccccctc cgctagacac 360
 ggtgttcgtc aacctggaga gcgaattgac aaaacggctg gagagcggtg agggcacctt 420
 ttacaaggac c 431

<210> 1785

<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001e03b1

<400> 1785

cactttgttc atctagcgga ttggatttc tttacaact aagggtcctg tttttaacat 60
ttttaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acattccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctatgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt ggggttgggt 420
taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aatgaataa 480
gaaaatccat gtattttacg gtatgcatga gtt 513

<210> 1786
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001e04b1

<400> 1786

gtgttctccg acctcttccc gcacctagca aatggttagc caagaaagcc aactgacggt 60
attgcacatg tgcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
ccatggggcc cgaatgcgaa ccccgctgac atggcctggt ccgttgtgcc ggtactgcga 240
tccggcgact tgtccattc gaccatccag ttctcgccct cctcgacggc gcttcagagc 300
ttcgccgtga cctgcaaca ggtggcccct tcgaagctgt tcagccacag ccgcagcggc 360
attgagatcc tcgtcctcga cgttgctccc cttgcgatag acacggtggt cgtcaacctg 420
gagagcgaat tgacaaaacg gctggagagc ggtgagggca ccttttacia ggaccatacg 480
acaagcccca at 492

<210> 1787
 <211> 458
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316001e05b1

 <400> 1787

 actttgttac atctagcgga tttggatttc tttaacaact aagggtcctg tttttaacat 60
 tttttagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acattccaac 240
 ccaaagtata agcgcccacc tagctctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctatgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggatatgggt 420
 taactgctct aataaggaga gtcagctact tggattaa 458

<210> 1788
 <211> 526
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316001f03b1

 <400> 1788

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 ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcat 240
 ccggcgactt gtccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggccccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgttctcgac gttgctcccc ttgcgctaga cacggtgttc gtcaacctgg 420
 agagcgaatt gacaaaacgg ctggagagcg gtgagggcac cttttacaag gaccatacga 480
 caagccccaa tgccaaggac gttgccaaaca tgacgcccga ggagcg 526

<210> 1789
 <211> 537
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316001f05b1

 <400> 1789

 acactttgtt acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac 60
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 taaaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atctatgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaaaatcc atgtatttta cggtatgcat gagttcaaat ttgatgcaga catgata 537

<210> 1790
 <211> 356
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316001g01b1

 <400> 1790

 cttcccgac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgtgca 60
 gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
 tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
 tgcgaaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg gcgacttgct 240
 ccattcgacc atccagttct agccctctc gagggcgcta cagagctcta gccggaccct 300
 gcaacaggtg gcccttcga agctgctcag ccacagccgc agcggcattg agatcc 356

<210> 1791
 <211> 365
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001g02b1

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agcgcccaga	tcccaatgac	gagctcgttg	acgatgtcca	ccacgttgca	gtcgcgccat	180
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gcgaacttgac	ccattcgacc	atacagttct	cgccctcctc	gtcggcgctt	cagagctttg	300
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agatc						365

<211> 455

<213> Triticum aestivum

<400>	1792
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acccaaagta taagcgccca cctagtccta tctagtcgga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcaciaa acactcaciaa gttatatagg gcttgaaaga aagtctaggt ttggggtttgg 420

gttaactgct ctaaaaggag agtcagctac ttgga 455

<210> 1793

<212> DNA

<223> Clone ID: uC-tsfl9316001g06b1

<400> 1793

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gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180
aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgatc cggcgacttg 240
tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt cgccgtgacc 300
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<210> 1794

<211> 489

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001h01b1

<400> 1794

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atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
atgcgaaccc cgtcgacatg gccttggtccg ttgtgccggt actgcgatcc ggcgacttgt 240
cccattcgac catccagttc tcgcctcctc cgtcggcgct tcagagctct gccgtgacct 300
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tcctcgacgt tgctaccctt ccgctagaca cggtgttcgt caacctggag agcgaattga 420
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ccaaggacg 489

<210> 1795

<211> 524

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001h02b1

<400> 1795

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 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctatgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcaciaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt ggggttgggt 420
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<210> 1796
 <211> 551
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316001h03b1
 <400> 1796

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 ttctttacaa atccccaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
 agagtcttct accttttctt atcattgaat caaccctttt ttttttttct tttaaacaca 240
 tccaaccca aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
 actacatgag acactatctc tgctgttacg aacctaacac tttctaccaa gcttaatcgg 360
 aataagacct cacaacact cacaagttat atagggcttg aaagaaagtc taggtttggg 420
 tttgggttaa ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480
 tgaataagaa aatccaagta ttttacggtt tccatgagtt caaatttgat gcagacatga 540
 taattaaaga t 551

<210> 1797
 <211> 474
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316001h04b1

<400> 1797

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caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtgcgcg 180
catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
ttgagatcct cgtcctcgac gttgctcccc ttcgctaga cacggtgttc gtcaacctgg 420
agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gacc 474

<210> 1798

<211> 469

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a02b1

<400> 1798

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtgcgccc 180
atgggccccg aatgcgaacc ccgtcgacat ggcctgggtcc gtttgtgccg tactgcgatc 240
cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctctgacg ttgtctccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaag 469

<210> 1799

<211> 120

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a04b1

<400> 1799

acactttggtt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60
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<210> 1800
 <211> 556
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a05b1

<400> 1800

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 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttggggt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 attaaagatt agattc 556

<210> 1801
 <211> 491
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a06b1

<400> 1801

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 caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttggtgccg gtactgcgat 240
 ccggcgactt gtcccatcgc accatccagt tctcgccctc ctcgtcggcg cttcagagct 300

tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
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 caagcccca t 491

<210> 1802
 <211> 567
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a07b1

<400> 1802

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 caaagcggcc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catggggcccc gaatgogaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
 agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480
 caagcccca tgccaaggac gttgccaaca tgacggccga ggagcgtcta gccacggcgc 540
 tcagggcagc tctcagcacc ctcaaga 567

<210> 1803
 <211> 348
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a11b1

<400> 1803

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 ttgcacatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcggcc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180

catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttggtgccg gtactgcat 240
 ccggcgactt gtcccatcgc accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggccccctt cgaagctgtc cagccaca 348

<210> 1804
 <211> 464
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002a12b1

<400> 1804

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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcatc 240
 cggcgacttg tcccatcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtctcgcagc ttgtccccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg acaaacggct ggagagcggc gagggcacct tttta 464

<210> 1805
 <211> 380
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b02b1

<400> 1805

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 tgcacatgat tagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcatc 240
 cggcgacttg tcccatcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg

380

<210> 1806

<211> 428

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b03b1

<400> 1806

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cattttaatg ccaagggctt ttgccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240

aaccctaaagt ataagcgccc acctagtcct atctagtcgg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacctcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420

ggttaact 428

<210> 1807

<211> 471

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b05b1

<400> 1807

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gcacatgagc ttacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcatcc 240

ggcgacttgt ccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300

gccgtgacct tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tctcgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag 420

agcgaattga caaacgggt ggagagcggc gagggcacct tttacaagga c 471

gagatcctcg tctcgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag

<210> 1808
 <211> 519
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b07b1

<400> 1808

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 atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc ggcgacttgt 240
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 tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360
 tcctcgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag agcgaattga 420
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 ccaaggacgt tgccaacatg acgcccagag agcgtctag 519

<210> 1809
 <211> 564
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b08b1

<400> 1809

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 ccatgggccc cgaatgcgaa ccccgtcgac atggcctggc ccgttgtgcc ggtactgcga 240
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 ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360
 attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420
 gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttataa ggaccatccg 480

acaagcccca atgccaagga cgttgccaac atgacgcccg aggagcgtct agccacggcg 540
ctcagggcag ctctcagcac cctc 564

<210> 1810
<211> 565
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002b09b1

<400> 1810

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gcacatgagc tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
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gccgtgacct tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tcctcgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaaacggct ggagagcggc gagggcacct ttacaagga ccatccgaca 480
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agggcagctc tcagcacct caaga 565

<210> 1811
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002c01b1

<400> 1811

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tgacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgcaca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcctgggtcc gttgtgccg tactgcatc 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagc 448

<210> 1812
<211> 615
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002c07b1

<400> 1812

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cattttaaag tcaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120
ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aaccctaaagt ataagcgccc acctagtctt atctagtccg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggttcg 420
ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480
taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540
taaagattag attcagggtc aaattgatag ggaatggatc agatcatgac agtgtggccg 600
agtagagcaa tctaa 615

<210> 1813
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002c08b1

<400> 1813

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tttacaaatc caaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

gtcttctacc ttttcttatc attgaatcaa cccttttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtc tatctagtc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
 gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagt atcaaaatga 480
 ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca gacatgataa 540
 ttaaagatta gattca 556

<210> 1814
 <211> 542
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002c11b1

<400> 1814

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 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaat ccpaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
 tgggctaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480
 aataagacaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 at 542

<210> 1815
 <211> 550
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d01b1

<400> 1815

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttaa 60
 cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120
 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggttaactgc tctaataagg agagtcagct acttgatta aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540
 aaagattaga 550

<210> 1816
 <211> 423
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316002d02b1
 <400> 1816

tctaacgctc aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc 60
 ctgtttttaa cattttaatg ccaagggctt ttgcccatct ccaatagcta acaagaactc 120
 tttcttttct ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact 180
 tcacctagag tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta 240
 aacacatccc aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga 300
 actagaacta catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt 360
 aatcggaata agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg 420
 ttt 423

<210> 1817
 <211> 450
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316002d03b1

<400> 1817

caacactttg ttacatctag cggatttgga tttctttaac aactaagggt cctgttttta 60
acattttaat gccaaagggt tttgcccata tccaatagct aacaagaact ctttcttttc 120
tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
gtcttctacc ttttcttata attgaatcaa cccctttttt tttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctaa ggtttgggtt 420
tggtttaact gctctaataa ggagagtcag 450

<210> 1818

<211> 477

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d04b1

<400> 1818

tttgttacat cttagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt 60
taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaacccctt tttttttttc ttttaaacac atcccaaccc 240
aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300
gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gcttgggcta 420
actgctctaa taaggagagt cagctacttg gattaataaag agtgatcaaa atgaata 477

<210> 1819

<211> 487

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d08b1

<400> 1819

ttctccgacc tcttcccga cctagcaa at ggtaagccaa gaaagccaac tgacggcatt 60
 gcacatgagc ttacaaagta atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
 aagcgcccag atcccgaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
 tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgcccgt actgcgatcc 240
 ggcgacttgc cccattcgtc catgcccacc tagtcctatt tagtgccggt aaagagatct 300
 agcgcgaccc tggaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
 gagatcctcg tctctgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag 420
 agcgaattga caaaacgggt ggagagcggc gagggcacct tttacaagga ccatccgaca 480
 agcccca 487

<210> 1820
 <211> 553
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316002d09b1
 <400> 1820

cactttgtta catctagcgg atttggtttt ctttaacaac taaggttcct gtttttaaca 60
 ttttaatttc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg ctcgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatcttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tca 553

<210> 1821
 <211> 530
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002d12b1

<400> 1821

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
ttgctcatga gctgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttggtgccg gtactgcgat 240
ccggcgactt gtccattcg accatccagt tctcgccctc ctctcgggcg cttcagagct 300
tcgccgtgac cctgcaacag gtggccccctt cgaagctgtc cagccacagc cgcagcggca 360
ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480
caagccccaa tgccaaggac gttgccaaca tgacgccga ggagcgtcta 530

<210> 1822

<211> 449

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e01b1

<400> 1822

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgttttta 60
cattttaatg ccaagggctt ttgccatct ccaatagcta acaagaactc tttcttttct 120
ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcgggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttggggttg 420
ggttaactgc tctaataagg agagtcagc 449

<210> 1823

<211> 422

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e04b1

<400> 1823

gttctccgac ctcttcccg acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60
tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagggccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcctggccc gttgtgccgg tactgcgatc 240
cggcgacttg tcccattcga ccatccagtt ctgcacctc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctt gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctccct tccgctagac acggtgttcg tcaacctgga 420
ga 422

<210> 1824

<211> 479

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e05b1

<400> 1824

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
ttgcacatga gcttaciaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
caaagcggcc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
ccggcgactt gtcccattcg accatccagt tctgcacctc ctgcgcggcg cttcagagct 300
tcgccgtgac cctgcaacag gtggccccctt cgaagctgtc cagccacagc cgcagcggca 360
ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccg 479

<210> 1825

<211> 152

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e06b1

<400> 1825

ccaagaaatg ccaactgacg gcattgcaca tgagcttaca aatttatgct gctgctgcta 60
ttcaacgaga tcgagttcta acctcaaagc gccagatcc caatgacgag ctgctcgacg 120
atgtccacca cgttgcagtc gcgccatggg cc 152

<210> 1826

<211> 490

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e07b1

<400> 1826

ttctccgacc tcttcccgca cctagcaa at ggtaagccaa gaaagccaac tgacggcatt 60
gcacatgagc ttacaaatat aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atggggccccg aatgcgaacc ccgctcgacat ggcttggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tccattcga ccattcagtt ctgcccctcc tcgctggcgc ttcatagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gatctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat 490

<210> 1827

<211> 286

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e08b1

<400> 1827

ttctccgact ctcttcccg cccctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgacatgag cttacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagggccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atggggccccg aatgcgaacc ccgctcgacat ggcttggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcg

286

<210> 1828
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e09b1

<400> 1828

cactttgtta catctagcgg atttggattt ctttaacaac taagggtcct gtttttaaca 60
ttttaaatTTT caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgCGaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia aactcacia gttatatagg gctcgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cggatatcat gagttcaaat ttgatgcaga catgataatt 540
aaagattaga 550

<210> 1829
<211> 435
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316002e10b1

<400> 1829

cttgccttgc ccggccatcg accatggagg gcgaggcgcc gcagtcgcac cagctgctcc 60
tgcacggcgt cagcctggac ctgcgcctcg acacggccac ggccacgcac cagctgcgcg 120
gcgcccggcg cccggcgctc cctgcgccta ctcccgtggc cttcgaccag gccggcaagg 180
aggccttctc ctgcaactac tgccaccgca agttcctcag ctgcgaggcg ctgagcggcc 240
accagaacgc ccacaagctc gagcgcaccc tcgccaagcg cagccgogac gcctcctcca 300
ccgcccacac ggcagctcaa actgccacgc cttcctctca ctggccccac gccggcggcg 360

gngagctctg ggcgtactct gcttcggccg ctgccccgga ttccacgacg atggcgcccc 420
 tgatgggcat gggct 435

<210> 1830
 <211> 554
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002e11b1

<400> 1830

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa 60
 cattttaaat ccaagggctt ttgccatct ccaatagcta acaagaactc tttcttttct 120
 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aaccctaaagt ataagcgccc acctagtcct atctagtcgc aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggctaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480
 taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540
 taaagattag attc 554

<210> 1831
 <211> 449
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002f02b1

<400> 1831

gttctccgac ctcttcccgcc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
 tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactcgcgatc 240
 cggcgacttg tccattcga ccatccagtt ctgcgcctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctcccct tccgctagaa cacggtgttc gtcaacctgg 420
agagcgaatt gacaaaacgg ctggagagc 449

<210> 1832
<211> 471
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316002f05b1
<400> 1832

tccgactctc ttcccgacc tagcaaattg taagccaaga aagccaactg acggcattgc 60
acatgagctt acaattataa tgctgctgct gctattcaac gagatcgatt ctaacctcaa 120
agcgcccaga tccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat 180
gggccccgaa tgcgaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg 240
gcgacttgct ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg 300
ccgtgaccct gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg 360
agatcctcgt cctcgacgtt gctccccctc cgctagacac ggtgttcgtc aacctggaga 420
gcgaattgac aaaacggctg gagagcggcg agggcacctt ttacaaggac c 471

<210> 1833
<211> 470
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316002f06b1
<400> 1833

gctgctgctg ctattcaacg agatcgagtt ctaacctcaa agcgcccaga tccaatgac 60
gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa tgcgaacccc 120
gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg gcgacttgct ccattcgacc 180
atccagttct cgccctcctc gtcggcgctt cagagcttcg ccgtgaccct gcaacaggtg 240
gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt cctcgacgtt 300
gctccccctc cgctagacac ggtgttcgtc aacctggaga gcgaattgac aaaacggctg 360

gagagcggcg agggcacctt ttacaaggac catccgacat gcccgaatgc caaggacgtt 420
gccaacatga cgcccagga ggcctagcc acggcgctca gggcagctct 470

<210> 1834
<211> 172
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316002f09b1

<400> 1834

gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgcttatgag cttacaaaga aatgctgctg ctgctgttca acgagatcga ttctaacggc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg ca 172

<210> 1835
<211> 614
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316002f12b1

<400> 1835

tttagatcat gtggctggat ttcattatta aaacctcact gcttgtttcc tgaaaccaca 60
ggtgttgaac atatggggat actatccact cattctaata ggatcatggg cattcggcac 120
tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagttct 180
tgacgttggg acagctgcac taatggtagc aaacctatca aataaataag ttataaaatt 240
cgccatagat catctttgct cttcccagat cgatgttctg aatgttgat tttcagggt 300
tgttcaattc aatagcctat ggtttcaaca gctcagtgcg tcgagcaatc catgagagac 360
tgagagctga agtcaccacc gatctctttg gtttgctata ttattcccaa taatcaatga 420
agcttgattt ttatgaaacc cttggtctgc tagattcttg ccagaacggc tatatcgatg 480
gcttccaagc aatttcagac caaaaaacca tctgattcta catcagcaac aacaacagcg 540
aagcgaaatg gtatcactca agaccgagga ccagcaatga cactaacttt caactaatac 600
attggaccga taac 614

<210> 1836
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g02b1

<400> 1836

ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt taaagccaag 60
ggcttttgcc catctccaga tagctaacia gaactctttc ttttctttac aaatcccaaa 120
acctttacta gactttttct gcttcttttag cttacttcac ctagagtctt ctaccttttc 180
ttatcattga atcaaccctt tttttttttt cttttaaaca catcccaacc caaagtataa 240
gcgcccacct agtcctatct agtcgaaaa atgcgaacta gaactacatg agacactatc 300
tctgtcgta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360
ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttggg 408

<210> 1837
<211> 444
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316002g03b1

<400> 1837

gttctccgac ctcttcccgac acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60
tgctcatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctn cgtctcgacg ttgctccctt tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tgga 444

<210> 1838
<211> 554
<212> DNA

<210> 1840
 <211> 60
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g10b1

<400> 1840

cacttttgta catctagcgg atttggattt ctttaacaac taagggttcct gtttttaaca 60

<210> 1841
 <211> 555
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g11b1

<400> 1841

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa 60

catttttaaag ccaagggcct ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240

aaccctaaagt ataagcgccc acctagtcct atctagtcgg aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360

agacctcaca aacactcaca agttatatag ggctcgaaag aaagtctagg tttgggtttg 420

ggctaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540

taaagattag attca 555

<210> 1842
 <211> 516
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002g12b1

<400> 1842

acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60

attttaaagc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
 tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcaca acactcaca gttatatagg gcttgaaaga aagtctagg ttgggttttg 420
 gctaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cggtatccat gagttc 516

<210> 1843
 <211> 488
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316002h01b1
 <400> 1843

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa 60
 cattttaaag ccaagggtt ttgcccactc ccaatagcta acaagaactc tttcttttct 120
 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cctttttttt ttttctttta aacacatccc 240
 aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggttaactgc tctaataagg agagtcagct acttgataa aaagagtgat caaaatgaat 480
 aagaaaat 488

<210> 1844
 <211> 371
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316002h02b1
 <400> 1844

gttctccgac ctcttcccg c acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60
 tgcacatgag cagacaaaga aatgctgctg ctgctattca gcgagatcga ttctaacctc 120
 aaggcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgac 240
 cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
 cgccgggacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc g 371

<210> 1845
 <211> 391
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h03b1

<400> 1845

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtccat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg c 391

<210> 1846
 <211> 315
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h05b1

<400> 1846

tttggatttc ttttaacaact aagggttcctg tttttaacat tttaaattca aggttttttg 60
 cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa aacctttact 120
 agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt cttatcattg 180

aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaaagata agcgcccacc 240
tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcggt 300
acgaacctaa cactt 315

<210> 1847
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h07b1

<400> 1847

cactttgtta catctagcgg atttggatit ctttaacaac taaggttcct gtttttaaca 60
ttttaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
aagattagat tca 553

<210> 1848
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h08b1

<400> 1848

gttctccgac ctcttcccg c acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgctcatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggctgggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccatcga ccatccagtt ctgccectcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtccctgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggacg ttgccaacat gac 513

<210> 1849
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h11b1

<400> 1849

cactttgtta catctagcgg atttgattt ctttaacaac taaggttcct gtttttaaca 60
ttttaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttctttttaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgat 524

<210> 1850
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316002h12b1

<400> 1850

tcaacacttt gttacatcta gcggatttgg atttcttta caactaaggt tcctgttttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
 taagacctca caaacactca caagttatat agggcttgaa agaaa 405

<210> 1851
 <211> 501
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316003a01b1

<400> 1851

cactttgtta catctagcgg atttgattt cttaacaac taagggtcct gtttttaaca 60
 ttttaaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ctaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac g 501

<210> 1852
 <211> 568
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316003a02b1

<400> 1852

acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggttc tgtttttaac 60
 attttaatgc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
 taaaaatccc aaaccttta ctgacttttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtcoga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540
aaagattaga ttcaggttca aattgata 568

<210> 1853
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a06b1

<400> 1853
tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttggtt 420
tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt gatcaaatg 480
aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
attaaagatt agattc 556

<210> 1854
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a07b1

<400> 1854
acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60

attttaaaagc caagggtttt tgcccatctc caatagctag caagaactct ttctttttctt 120
 taaaaatccc aaaaccttta ctgactttt tctgtttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt ttctttttta acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia aactcacia gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cggtatccat gaggttcaaatt tt 522

<210> 1855
 <211> 438
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316003a08b1
 <400> 1855

gccaaagaaag ccaactgacg gcattgcaca tgatttgaca atgaaatgct gctgctgcta 60
 ttcaacgaga tcgattctaa cctcaaggcg cccagatccc aatgacgagc tcgtcgacga 120
 tgtccaccac gttgcagtcg cgccatgggc cccgaatgcg aaccccgctg acatggcctg 180
 gtccgtttgtg ccggtactgc gatccggcga cttgtcccat tcgaccatcc agttctcgcc 240
 ctctctgctg gcgcttcaga gcttcgccgt gaccctgcaa cagggtggccc cttcgaagct 300
 gtccagccac agccgcagcg ggattgagat cctcgctctc gacgttgctc cccttcgct 360
 agacacggtg ttcgtcaacc tggagagcga attgacaaaa cggctggaga gcggcgaggg 420
 caccttttac aaggacca 438

<210> 1856
 <211> 391
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316003a09b1
 <400> 1856

tttggtacat ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt 60

taaatccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
 aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
 taccttttct tatcattgaa tcaaccctt ttttttttcc ttttaaacac atcccaaccc 240
 aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaaactag aactacatga 300
 gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
 tcacaaacac tcacaagtta tatagggctt g 391

<210> 1857
 <211> 429
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a10b1

<400> 1857

cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga tttgacattt 60
 aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc agatcccaat 120
 gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catggggccc gaatgcgaac 180
 cccgtcgaca tggcctggtc cgttgtgccc gtactgcgat ccggcgactt gttccattcg 240
 accatccagt tctcgccctc ctcgtcggcg cttcacagct tagccgcgac cctgcaacag 300
 gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct cgtcctcgac 360
 gttgctcccc ttgcgctaga cacggtgttc gtcaacctgg agagcgaatt gacaaaacag 420
 ctggagagc 429

<210> 1858
 <211> 539
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a11b1

<400> 1858

caacactttg ttacatctag cggatttgga tttctttaac aactaagggt cctgttttta 60
 acattttaat gccaagggtt tttgcccata tccaatagct aacaagaact ctttcttttc 120
 tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

gtcttctacc ttttcttatac attgaatcaa cccctttttt ttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480
ataagaaaat ccaagtatct tacggtatcc atgagttcaa atttgatgca gacatgata 539

<210> 1859
<211> 555
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003a12b1

<400> 1859
aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa 60
cattttaatg ccaagggctt ttgccatct ccaatagcta acaagaactc tttcttttct 120
ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccctttttt ttttctttta aacacatccc 240
aaccctaaag ataagcgccc acctagtcct atctagtcgg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
gggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480
taagaaaatc caagtatctt acggtatcca tgagttcaaa tttgatgcag acatgataat 540
taaagattag attca 555

<210> 1860
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b01b1

<400> 1860
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aagccaaggt cttttgcccc tctccaatag ctaacaagaa ctctttcttt tctttacaaa 120
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 ctttttctta tcattgaatc aacccttttt tttttttctt ttaaacacat cccaacccaa 240
 agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga 300
 cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc 360
 acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac 420
 tgctctaata aggagagcca gctacttgga ttaaaaagag tgatcaaaat gaataagaaa 480
 atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat aattaaag 538

<210> 1861
 <211> 502
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl19316003b02b1
 <400> 1861

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 taaaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
 acccaaagta taagcgcccc cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cg 502

<210> 1862
 <211> 514
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl19316003b03b1
 <400> 1862

cactttgtta catctagcgg atttggtttt ctttaacaac taagggttcct gtttttaaca 60
 ttttaattcc aagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatctttac ggtatccatg agtt 514

<210> 1863
 <211> 412
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316003b04b1
 <400> 1863

cttacgcgtg cggcaccttg agcttgaggt cagtggcagg caggcaagca agaaagtaag 60
 aagaagaaga agataggaca tggcatctgc tactctcttc aagtctact tgctccccaa 120
 gaaggccgaa tggggcgctg cgcgccaggt cgccgccccg aggggtgtcca tggtcgtccg 180
 cgccggcgcc tacgacgatg agctcgtcaa gaccgcgaaa accatcgctg cgccggggcg 240
 cgggatcctg gccatggacg agtgcaacgc cacctgcggg aagcgctctg actcgatcgg 300
 cctggagaac acagaggcga accggcaggc gttccgcacg ctgctgggtc tcgtccctgg 360
 cctcggcaac cacatcttcg gcgccatgct cttcgaggag acgtcttacc ag 412

<210> 1864
 <211> 464
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316003b05b1
 <400> 1864

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tttaaatcca agggccttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
 taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480
 gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataattaa 540
 agattagatt c 551

<210> 1867
 <211> 515
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b09b1

<400> 1867

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60
 aacattttta ttccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt tttttctttt taaacacatc 240
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 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catga 515

<210> 1868
 <211> 466
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b10b1

<400> 1868

tttgttacat cttagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt 60
taattccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaaccctt ttttttttct ttttaaacac atcccaaccc 240
aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaaactag aactacatga 300
gacactatct ctgtcggttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gtttgggtta 420
actgctctaa taaggagagt cagctacttg gattaaaaag agtgat 466

<210> 1869

<211> 227

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b11b1

<400> 1869

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caaggcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 120
catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cggtgtgccg gtactgcgat 180
ccggcgactt gtccattcgc accatccagt tctcgccctc ctcgctcg 227

<210> 1870

<211> 488

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003b12b1

<400> 1870

ttctccgttc tcttcccgca cctagcaaatt ggtaagccaa gatagccaac tgactgcatt 60
gttcatgagt ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggctgggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctccctt tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagcccca 488

<210> 1871
<211> 405
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316003c01b1
<400> 1871

gatttaccga tccaaagggg ttcaagcttg agttccactt caataccaat ccattcttca 60
agaatgaagt gcttacgaaa acgtaccaca tgatcgatga agatgaacca atccttgaga 120
aggccattgg tactgaaatt gaatggtgcc ctggaaagag cttgacacaa aaggtgctaa 180
agaagaagcc aaagaagggg tcaaagaaca ctaaacctat cacgaagatt gaaaattgcg 240
agagcttctt taatttcttc agtccacctc aagtccctga tgatgatgag gaaattgatg 300
aggatacagc tgaacagttg cagaaccaa tggagcaaga ttatgatatt ggatctacca 360
tcagagacaa gattattcca catgctgttt catgggtcac tggag 405

<210> 1872
<211> 499
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316003c02b1
<400> 1872

cactttgtac atctagcgga tttggatttc ttaacaact aaggttcctg tttttaacat 60
tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcaccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcggtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480
gaaaatccaa gtatttttac 499

<210> 1873
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c06b1

<400> 1873

ccatctaattg tctttattaa tatgaactag aatcctgcgc catgcaggat tttgtttacc 60
tgctgctacg atagtcacac ctactgcatg cgcaaaggca agtgtcgaga tcacatttgg 120
ttgctgagtg ttgggagtgca aaaattgatg ttggggattt gtatttttac cgtgtaagag 180
tagggtcggc atctatctat ctatagaata aggctccag ttgcaatctg atgggtgtat 240
catctccaca ctggagcatg tacttgtatc cccgtggcgc aaatttgtgc aacctatcta 300
tattgtactt atttgtcccc aaacattgtg atgataattt tta 343

<210> 1874
<211> 592
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c07b1

<400> 1874

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaagggt tcctgttttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 attaaagatt agattcaggt tcaaattgat agggaaatggt atcagatcat ga 592

<210> 1875
 <211> 437
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c08b1

<400> 1875

tcttcccga cctagcaa at ggtaagccaa gaaagccaac tgacggcatt gcacatgagt 60
 agacaatgaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120
 atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
 atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc ggcgacttgt 240
 cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300
 tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360
 tcctcgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag agcgaattga 420
 caaaacgggt ggagagc 437

<210> 1876
 <211> 408
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c10b1

<400> 1876

atctagcgga tttggatttc ttttaacaact aaggttcttg tttttaacat tttaaatcca 60
 agggcttttg cccatctcca atagctgaca agaactcttt cttttcttta caaatcccaa 120
 aacctttact agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180
 cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata 240
 agcgcacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat 300
 ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaac 360

actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgg

408

<210> 1877

<211> 229

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c11b1

<400> 1877

tgcacatgag ttttcattga aatgctgctg ctgctattca acgagagcga ttctaacctc 60

aaagcgccca gatcccaatg acgagctcgt cgacgttgtc caccacgttg cagtcgcgcc 120

atgggccccg aatgcgaacc ccgtcgacat ggccctggctc gttgtgccgg tactgcgatc 180

cggcgacttg ttccattcga ccatccagtt ctgcgccctc tcgtcggcg 229

<210> 1878

<211> 490

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003c12b1

<400> 1878

aacactttgt tacatctagc gcgatttgga tttctttaac aactaagggt cctgttttta 60

acattttatt tccaagggct tttgcccac tccaatagct aacaagaact ctttcttttc 120

tttaciaaat ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240

caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgag aactagaact 300

acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360

aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttggggtt 420

gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagt atcaaatga 480

ataagaaaat 490

<210> 1879

<211> 507

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d01b1

<400> 1879

cttcccgcac ctagcaaagt gtaagccaag aaagccaact gacggcattg cacatgagtt 60
gacaatgtaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tgccaacccc gtcgacatgg cctgggccgt tgtgccggta ctgcatccg gcgacttgct 240
ccattcgacc atccagttct cgccctctc gtcggcgctt cagagcttcg ccgtgaccct 300
gcaacagggtg gccccttcga agctgttcag ccacagccgc agcggcattg agatcctcgt 360
cctcgacgtt gctccccctc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420
aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gcccgaatgc 480
caaggacgtt gccaacatga cgccga 507

<210> 1880

<211> 306

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d02b1

<400> 1880

gctgctgctg ctattcaacg agatcgattt taaccttaaa gcgcccagat cccaatgacg 60
agctcgctga cgatgttcac cacgttgacg tcgcgccatg ggccccgaat gcgaaccccg 120
tcgacatggc ctgggtccgtt gtgccggtag tcgcatccgg cgacttgctc cattcgacca 180
tccagttctc gccctctcgt tcggcgcttc agagcttcgc cgtgaccctg ctacaggtgg 240
ccccttcgaa gctgttcagt cacagccgta gtggcattga gatcctcgac ctcgacgttg 300
ctcccc 306

<210> 1881

<211> 514

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d03b1

<400> 1881

ttctccgttc tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60
 gctcatgagt tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
 aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
 tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgcccgt actgcgatcc 240
 ggcgacttgt cccattcgac catccagttc tcgcctcctt cgtcggcgct tcagagcttc 300
 gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360
 gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cgggtgttcgt caacctggag 420
 agcgaattga caaaacggct ggagagcggc gagggcacct ttacaagga ccatccgaca 480
 agccccaatg ccaaggacgt tgccaacatg acgc 514

<210> 1882
 <211> 541
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316003d04b1
 <400> 1882

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 aacattttta ttccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tetaccaagc ttaatcgga 360
 taagacctca caaactca caagttatat agggcttgaa agaaagtcta gggttggtt 420
 ctgggttaac tgctetaata aggagagtca gctacttgga ttaaaaagag tgatcaaat 480
 gaataagaaa atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat 540
 a 541

<210> 1883
 <211> 466
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d05b1

<400> 1883

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gctcatgatt tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgcccgt actgcgatcc 240
ggcgacttgt ccatttcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
gccgtgacct tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tcctcgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaaacggct ggagagcggc gagggcacct ttta 466

<210> 1884

<211> 521

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003d07b1

<400> 1884

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctggg tttaacattt 60
taatgccaa ggtttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaacccctt ttttttttct ttttaaacac atcccaaccc 240
aaagtataag cgccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300
gacactatct ctgtcggttac gaacctaa ca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gtttgggtta 420
actgctctaa taaggagagt cagctacttg gattaataa agtgatcaaa atgaataaga 480
aaatccaagt attttacggg atccatgagt tcaaatttga t 521

<210> 1885

<211> 484

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316003d08b1

<400> 1885

tttgttacat cttagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt 60
taatgccaaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaaccctt ttttttttct ttttaaacac atcccaacct 240
aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300
gacactatct ctgtcggttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gtttgggtta 420
actgctctaa taaggagagt cagctacttg gattaataag agtgatcaaa atgaataaga 480
aaat 484

<210> 1886

<211> 479

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316003d10b1

<400> 1886

aacctcactg cttgtttcct gaaaccacag gtgttgaact tatggggata ctatccactc 60
attctaatag gatcatgggc attcggcact attaacgta tccatgattt catcgagcca 120
gggcataaga tcttctggct ctcagttctt gacgttggga cagctgcact aatggttagca 180
aacctatcaa ataaataagt tataaaattc gccatagatc atctttgctc ttcccagatc 240
gatgttctga atgttgattt ttcagggtt gttcaattca atagcctatg gtttcaacag 300
ctcagtgcgt cgagcaatcc atgagagact ggagctgtaa gtcaccaccg atctctttgg 360
tttgctatat tattcccaat aatcaatgaa gcttgatttt tatgaaacct ttggtctgct 420
agattcttgc cagaacggct atatcgatgg cttccaagca atttcagacc aaaaaacca 479

<210> 1887

<211> 502

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003e01b1

<400> 1887

cttcccgcac ctagcaaagt gtaagccaag aaagccaact gacggcattg cacatgagct 60
gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tgccaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcgatccg gcgacttgct 240
ccattcgacc atccagttct cgcctctctc gtcggcgctt cagagcttcg ccgtgaccct 300
gcaacagggtg gccctctcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
cctcgacgtt gctccccctc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420
aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gccccaatgc 480
caaggacgtt gccaacatga cg 502

<210> 1888

<211> 420

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003e03b1

<400> 1888

aacactttgt tacatctagc ggatttgat ttctttaaca actaaggttc ctgttttta 60
cattttaatg ccaagggctt ttgccatct ccaatagcta acaagaactc tttcttttct 120
ttacaaatcc caaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aaccctaaagt ataagcgccc acctagtcct atctagtcg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttggggttg 420

<210> 1889

<211> 429

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003e05b1

<400> 1889

tcttcccgca cctagcaa at ggtaagccaa gaaagccaac tgacggcatt gttcatgatt 60

tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120

atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180

atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300

tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

acctcgacgt tgctcccctt ccgtagaca cgggtgttcgt caacctggag agcgaattga 420

caaaacggc 429

<210> 1890

<211> 154

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316003e09b1

<400> 1890

tgacacatgag ttgacaatga aatgctgctg ctgctattca acgagagcga ttttaacctc 60

aaagcgccca gatcccaatg acgagctcgt cgtcgatgtc caccacgttg cagtcgcgcc 120

atgggcctcg aatgcgaacc ccgtcgacat ggcc 154

<210> 1891

<211> 436

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316003e10b1

<400> 1891

tagatcatgt ggctggattt catcattaaa acctcactgc ttgtttcctg aaaccacagg 60

tggtgaattg atggggatac tatccactca ttctaataagg atcatgggca ttcggcacta 120

ttaaccgtat ccatgatttc atcgagccag ggcataagat cttctggctc tcagttcttg 180

acgttgggac agctgcacta atggtagcaa acctatcaaa taaataagtt ataaaattcg 240

ccatagatca tctttgctct tcccagatcg atgttctgaa tgttgattt tcagggttg 300

ttcaattcaa tagcctatgg tttcaacagc tcagtgcgtc gagcaatcca tgagagactg 360
gagctgtaag tcaccaccga tctcttttggg ttgctatatt attcccaata atcaatgaag 420
cttgattttt atgaaa 436

<210> 1892
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f01b1

<400> 1892

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attttaatgc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cggatatccat gagttcaaat ttgatgcaga catgataatt 540
aaagattaga ttc 553

<210> 1893
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f02b1

<400> 1893

tcttcccga cctagcaaatt ggtaagccaa gaaagccaac tgacggcatt gtacatgagc 60
tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120
atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc ggcgacttgt 240

cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300
tgcaac 306

<210> 1894
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f04b1

<400> 1894

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggttc ctgtttttta 60
catttttaaag ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120
ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
ggttaactgc tctaataagg agagtcagct acttggatta aaaag 465

<210> 1895
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f06b1

<400> 1895

ttctccgact ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgactgcat 60
tgcacatgag ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactgcgac 240
cggcgacttg tccattcga ccattccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggcccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctctgacg ttgctccc 388

<210> 1896
 <211> 543
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f07b1

<400> 1896

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catctagcgg atttggttt ctttaacaac taaggttcct gtttttaaca ttttattgcc 60
aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca 120
aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180
tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa cccaaagtat 240
aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300
tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag acctcacaaa 360
cactcacaag ttatataggg cttgaaagaa agtctaggtt tggggttggg ttaactgctc 420
taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata agaaaatcca 480
agtattctac ggtatccatg agttcaaatt tgatgcagac atgataatta aagattagat 540
tca 543
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<210> 1897
 <211> 362
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003f08b1

<400> 1897

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tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt 60
taatgccaag tgcttttgcc catctccaat agtgacaag aactctttct tttctttaca 120
aatcccaaaa cttttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaaccctt ttttttttct ttttaaacac atcccaaccc 240
aaagtataag cgccaccta gtcctatcta gtccgaaaaa tgcgaaactag aactacatga 300
gacactatct ctgtcggttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tc 362
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<210> 1898
 <211> 445
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316003f09b1

 <400> 1898

 ggctggattt catcattaaa acctcactgc ttgtttcctg aaaccacagg tgttgaactt 60
 atgggtgttac tatccactca ttctaataagg atcatgggca ttcggcacta ttaaccgtat 120
 ccatgatttc atcgagccag ggcataagat cttctggctc tcagttcttg acgttgggac 180
 agctgcacta atggtagcaa acctatcaaa taaataagtt ataaaattcg ccatagatca 240
 tctttgctct tcccgcgtcg atgttctgaa tgttgatatt tcagggcttg ttcaattcaa 300
 tagcctatgg tttcaacagc ttagtgcggt gagcaatcca tgagagactg gagctgtaag 360
 tcaccaccga tctctttggg tcgctatatt attcccaata atcaatgaag cttgattttt 420
 atgaaaccct cggtctgcta gattc 445

<210> 1899
 <211> 395
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316003f10b1

 <400> 1899

 cgactctctt cccgcaccta gcaaattgga agccaagaaa gccaaactgac ggcattgcac 60
 atgatctgac attgaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120
 gccagatcc caatgacgag ctgctcgacg atgtccacca cggtgcagtc gcgccatggg 180
 ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240
 acttgtcca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300
 tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360
 tcctcgctct cgacgttgct cccctttcgc tagac 395

<210> 1900
 <211> 464
 <212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316003f12b1

<400> 1900

cactttgtta catctagcgg atttggattt ctttaacaac taagggtcct gtttttaaca 60

ttttaattcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgccac ctagtcctat ctagtcgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tggggttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aaga 464

<210> 1901

<211> 513

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316003g01b1

<400> 1901

gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60

tgacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc cgcgcacat ggctggtcc gttgtgccgg tactgcgac 240

cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccctt gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtctcgacg ttgtccccct tccgctagac acggtgttcg taacctggag 420

agcgaattga caaacggct ggagagcggc gagggcacct ttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acg 513

<210> 1902

<211> 549

<212> DNA

<213>	Triticum aestivum					
<223>	Clone ID: uC-tsfl9316003g02b1					
<400>	1902					
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acaaatccca	aaacctttac	tagacttttt	ctgcttcttt	agcttacttc	acctagagtc	180
ttctaccttt	tcttatcatt	gaatcaacct	cttttttttt	ttctttttaa	cacatcccaa	240
cccaaagtat	aagcgcccac	ctagtcctat	ctagtccgaa	aatgccaac	tagaactaca	300
tgagacacta	tctctgtcgt	tacgaacct	acactttcta	ccaagcttaa	tcggaataag	360
acctcacaaa	cactcacaag	ttatataggg	cttgaaagaa	agtctagggt	tgggtttggg	420
ttaactgctc	taataaggag	agtcagctac	ttggattaaa	aagagtgatc	aaaatgaata	480
agaaaatcca	agtattttac	ggtatccatg	agttcaaatt	tgggtgcagac	atgataatta	540
aagattaga						549

<210>	1903	
<211>	463	
<212>	DNA	
<213>	Triticum aestivum	
<223>	Clone ID: uC-tsfl9316003g06b1	
<400>	1903	
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tttaacaact	aagggtcctg	tttttaactt
60		
tttaaagcca	agggcttttg	cccatctcca
atagctaaca	agaactcttt	cttttcttta
120		
caaatcccaa	aacctttact	agactttttc
tgcttcttta	gcttacttca	cctagagtct
180		
tctacctttt	cttatcattg	aatcaacccc
tttttttttt	tctttttaaac	acatcccaac
240		
ccaaagtata	agcgcccacc	tagtcctatc
tagtccgaaa	aatgcgaact	agaactacat
300		
gagacactat	ctctgtcggt	acgaacctaa
cacttttctac	caagcttaat	cgggaataaga
360		
cctcacaaac	actcacaagt	tatatagggc
ttgaaagaaa	gtctaggctt	gggcttgggt
420		
taactgctct	aatacggaga	gtcagctact
tggattaa	aga	
463		

<211> 303
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl19316003g07b1

 <400> 1904

 caagaactct ttcttttctt gtacaaatcc caaaaccttt actagacttt ttctgcttct 60
 ttagcttact tcacctagag tcttttacct tttcttatca ttgaatcaac cccttttttt 120
 ttttgtttta aacacatccc aacccaaagg gtaagcgccc acctagtcct atctagtctg 180
 aaaaatgcga actagaacta catgagacac tatctctgtc gttacgaacc taacactatc 240
 taccaagctt aatcggaata agagctcaca aacactcaca agttatatag ggcattgaag 300
 aaa 303

<210> 1905
 <211> 491
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl19316003g08b1

 <400> 1905

 gttctccgat ctcttcccg c acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
 tgcacatgat cagacaatga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggctggtcc gttgtgccgg tactgcgatc 240
 cggcgacttg tcccatctga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtcctcgacg ttgctccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
 aagccccaat g 491

<210> 1906
 <211> 508
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316003g09b1

<400> 1906

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taatgccaat ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaacccctt ttttttttct ttttaaacac atcccaaccc 240
aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300
gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gtttggttga 420
actgctctaa taaggagagt cagctacttg gattaanaag agtgatcaaa atgaataaga 480
aaatccaagt attttacggt atccatga 508

<210> 1907

<211> 564

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003g10b1

<400> 1907

tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa cattttaatt 60
ccaatggctt ttgcccattc ccaatagcta acaagaactc tttcttttct ttacaaatcc 120
caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct 180
tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc aacccaaagt 240
ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac 300
tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca 360
aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg ggtaactgc 420
tctaataagg agagtcagct acttggatta aaaagagtga tcaaatgaa taagaaaatc 480
caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat taaagattag 540
attcagggtc aaattgatag ggaa 564

<210> 1908

<211> 545
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316003h01b1

 <400> 1908

 cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaatgcc aagggtcttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgcccac ctagtccctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagat 545

<210> 1909
 <211> 461
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316003h03b1

 <400> 1909

 cggatttgga tttctttaac aactaagggt cctgttttta acttttttaa gccaaagggt 60
 tttgcccatc tccaatagct aacaagaact ctttcttttc ttacaaatc ccaaacctt 120
 tactagactt tttctgcttc tttagcttac ttcacctaga gactgctacc ttttcttatc 180
 attgaatcaa cccctttttt tttttctttt aaacacatcc caaccctaaag tataagcgcc 240
 cacctagtcc tatctagtcc gaaaaatgag aactagaact acatgagaca ctatctctgt 300
 cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360
 aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420
 gagagtcagc tacttggatt aaaaagagtg atcaaatga a 461

<210> 1910
 <211> 349
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316003h04b1

 <400> 1910

 ggctcaggcg gtgcctagag gggaagaaat gatgacgaac aagagaagtc tgttcccagt 60
 cctgcccttc aaggatctgg cgaactttta tctttttaac gttggaaggc aataatttct 120
 gtagagggtg gattttccca acattcgttt ttggtggagg catcgaactc cagaggttgt 180
 cgtaggttgg cggcagcggt ctcaaaacat ttactatcat aggggttgag tttgagttcg 240
 agtatgtgcc ctgaatcggt actgggcaat tttccttaa tacattgtcc tccaatccta 300
 ctgagattat tatggtccaa gttnaaaaaa aaaaaaacc caacatcat 349

<210> 1911
 <211> 541
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316003h05b1

 <400> 1911

 tcaacacttt gttacatcta gcggatttgg atttcttta caactaaggt tcctgttttt 60
 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttctt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta gggttggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 a 541

<210> 1912
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h08b1

<400> 1912

tttgttacat ctagecggatt tggattttctt taacaactaa ggttcctggt tttaacattt 60
taaagccaag ggcttttgcc catctccaat agctgacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaaccctt tttttttttc ttttaaacac atcccaaccc 240
aaagtataag cgccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300
gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420
actgctctaa taaggagagt cagctacttg gattaanaag agtgatcaaa atgaataaga 480
aaatccaagt attttacggt atccatgagt tcaaatttga tgcagacatg ataattaaag 540
attaga 546

<210> 1913
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h09b1

<400> 1913

tcaacacttt gttacatcta gcgatttgg atttctttaa caactaaggt tctgtttttt 60
aacattttta tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttttac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480

aataagaaaa t

491

<210> 1914

<211> 412

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h10b1

<400> 1914

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taaagccaag ggcttttgcc catctccaat agctgacaag aactctttct tttctttaca 120

aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180

taccttttct tatcattgaa tcaacccctt tttttttttc ttttaaacac atcccaaccc 240

aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcggtac gaacctaaca ctttctacca agcttaatcg gaataagacc 360

tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gt 412

<210> 1915

<211> 475

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316003h11b1

<400> 1915

cactttgtta catctagcgg atttggattt ctttaacaac taagggttctt gtttttaaca 60

ttttaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa agagtgatca aaatg 475

<210> 1916
 <211> 491
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316004a02b1

 <400> 1916

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 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtctttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaaccctaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttggggt 420
 tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt gatcaaaatg 480
 aataagaaaa t 491

<210> 1917
 <211> 365
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316004a04b1

 <400> 1917

 gtcaaatctt agcttgctac gctgcaagag gcagatacgt gatctcagca agcgagaact 60
 cccatgtgta cgtgtggaga aacgacgaca gccctgagca aagaagcagc agcagcaagg 120
 gcgtcgtgtc tgctgcaaac tcctacgagt acttctactg ccgggacgtg acggtggccg 180
 ctgccttgcc atccacggcg gggtcagcgg cgacgtcccg gaccaactcc aggaggaagc 240
 accaggagct ggattgtgtg tccgagtatc ctctgccga cgcaggagac ggagattcct 300
 ctgatttcca gcggcagcag agccgcaatg acctaagcaa cggttcgaac cacagcggcg 360
 gtgac 365

<210> 1918
 <211> 407

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316004a05b1
 <400> 1918
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 cgaccaggag aggagaggag aggagcggat cggcgatgg ccgtcgagaa gatgcacttg 120
 tccatgccgt tgcccgccgg cttggagggt ttccccttca ccacgttcca ggcggagctg 180
 gaggccttca ccgtcaagtt gagggcggag gcgaagaagg ccaaggccaa gccggagggtc 240
 aaggaggcca aggccaagga ggagaaggcc aagccggagg tcaaggccaa ggtgaagaag 300
 gccaaaggca aggaggccaa gccggagggtc gaggccaagg caaaggaggc caaggcaaag 360
 gaggccaagg cgaaggaggc caagccggag gtcgaggcca agtcaaa 407

<210> 1919
 <211> 380
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316004a08b1
 <400> 1919
 agcggatgtg gattccttta acaactaagg gtcctgttct taacattcta aagccaaggg 60
 ctttggcca tctccaatag ctaacacgaa ctctttcttt gctttacaaa tcccaaaacc 120
 ttactagac tttatctgct tcttttagctt acttaaccta gagtcttcta ccttttctta 180
 tgattgaatc aaccaccttg tttttttttc tgtaaacac ataccaacc aaaggataag 240
 cgccaccta gtgctatcta gtccgaaaaa tgcgaactag aactacagga gacactatct 300
 ctgttggtac gaacctaaaca ctttctacca agcttaatcg gaataagacc tcacaaacac 360
 tcacaagtta tatagggtt 380

<210> 1920
 <211> 541
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316004a11b1
 <400> 1920

cactttgtta catctagcgg atttggattt ctttaacaac taagggttcct gtttttaaca 60
 ttttaaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtccctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatctttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 a 541

<210> 1921
 <211> 552
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316004a12b1
 <400> 1921

cactttgtta catctagcgg atttggattt ctttaacaac taagggttcct gtttttaaca 60
 ttttaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtccctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatctttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tc 552

<210> 1922
 <211> 313

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316004b02b1
 <400> 1922
 acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggttc tgtttttaac 60
 attttaaaagc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
 taaaaatgcc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atc 313

<210> 1923
 <211> 409
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316004b03b1
 <400> 1923
 tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60
 aacattttat tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttaciaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacttt tctaccaagc ttaatcgga 360
 taagacctca caaactca caagttatat agggcttgaa agaaagtct 409

<210> 1924
 <211> 245
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316004b04b1
 <400> 1924
 gactttttct gggtcttttag cttacttcac ctagaggctt ctaccttgct ttatcagtga 60

atcaaccct ttttttttg cttttaaaca catcccaacc caaagtataa tgcgcccacc 120
tagtcctatg ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctatgtggt 180
tacgaaccta acactctcta ccaagcttaa tgggaataag accttacaaa cactcacaag 240
ttata 245

<210> 1925
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004b07b1

<400> 1925

ttctccgacc tcttcccga cctagcaaat ggtaagccaa gaaagccaac tgacggcatt 60
gcacatgtgc agacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcatcc 240
ggcgacttgt ccattcgac catccagttc tcgcccctct cgtcggcgct tcagagcttc 300
gccgtgaccc tgcaacag 318

<210> 1926
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c03b1

<400> 1926

cttcccgac ctagcaaatg gtgagccaag aaagccaact gacggcattg cacatgagtc 60
agacaattaa atgctgctgc tgctattcag cgagatcgat tctaacctca aggcgcccag 120
atcccaatga cgagctcgtg gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcatcc ggcgacttgt 240
ccattcgac catccagttc tcgcccctct cgtgggcgct tcagagcttc gccgtgaccc 300
tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360
tgctcgacgt tgctcccctt ccgctagaca cgggtgttcgt caacctggag agcgaattga 420

caaaacggtt ggagagcggc gagggcacct tttaacaagga cc

462

<210> 1927

<211> 523

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c04b1

<400> 1927

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttta 60

cattttattg ccaagggcct ttgcccatct ccaatagcta acaagaactc tttcttttct 120

ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180

tcttctacct tttcttatca ttgaatcaac cctttttttt ttttctttta aacacatccc 240

aaccctaaagt ataagcgccc acctagtcct atctagtcgc aaaaatgcga actagaacta 300

catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcgggaata 360

agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttggggttg 420

ggttaactgc tctaataagg agagtcagct acttgatta aaaagagtga tcaaaatgaa 480

taagaaaatc caagtatttt acggtatcca tgagttcaaa ttt 523

<210> 1928

<211> 380

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004c05b1

<400> 1928

tttcgagcgc ctctctctgt ctgcctctcg tgccccgtcc cctcgtcggc gcccgatcta 60

agtcaagatg agtcgtggcg ggagtgcctg tggtgggtcaa agttctctgg gttacctggt 120

tggagatggc gagcctgcaa agcctgctgc agcaccagct gcgaagcccg cacctgctga 180

gaaaccagca ccggcagctg ctgatgtagc caagcagatt ccagctggca ttccaggtag 240

ccgggcgaac aactattacc gtgcagatgg ccagaacacg ggcaacttgc ttacggaccg 300

tgcttcaacc aagggtcatg ctgctcctgg cgggtggctcg tccctgggct acttggttgg 360

cggaaagtga tggttaatgat 380

<210> 1929
 <211> 535
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316004c08b1

 <400> 1929

 tttagatctt gtggctggat ttcatcatta aaacctcact gcttgtttcc tgaaaccaca 60
 tgtgttgaac agatggggat actatccact cattctaata ggatcatggg cattcggcac 120
 tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagttct 180
 tgacgttggg acagctgcac taatggtagc aaacctatca aataaataag ttataaaatt 240
 cgccatagat catctttgct cttcccgagt cgatgttctg aatgttgat tttcagggct 300
 tgttcaattc aatagcctat ggtttcaaca gctcagtgcg tcgagcaatc catgagagac 360
 tggagctgta agtcaccacc gatctctttg gtttgctata ttattcccaa taatcaatga 420
 agcttgattt ttatgaaacc cttggtctgc tagattcttg ccagaacggc tatatcgatg 480
 gcttccaagc aatttcagac caaaaaacca tctgattcta catcagcaac aacaa 535

<210> 1930
 <211> 475
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316004c09b1

 <400> 1930

 tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
 ttgcacatga tcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcggcc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcg 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
 agagcgaatt gacaaaacgg ctggagagcg gcgagggcac ctttttacag gacca 475

<210> 1931
 <211> 348
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316004c12b1

<400> 1931

gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat cccaatgacg 60
 agctcgtcga cgatgtccac cacgttgcag tcgcgccatg ggccccgaat gcgaaccccg 120
 ttgacatggc ctgggtccgct gtgccggtac tgtgatccgg cgacttgtcc cattcgacca 180
 tccagttctc gcccttctcg tgggcgcttc agagcttcgc cgtgaccctg caacaggtgg 240
 tcccttcgaa gctgctcagc cacagccgca gcggcattga gatcctcgac ctcgacgttg 300
 ctcccccttc gctagacacg gtgttcgaca acctggagag cgaattga 348

<210> 1932
 <211> 558
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316004d04b1

<400> 1932

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60
 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaaccctaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
 taagacctca caaactca caagttatat agggcttgaa agaaagtcta ggtttggggt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 attaaagatt agattcag 558

<210> 1935
 <211> 186
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316004d12b1

 <400> 1935

 tgctgctgct gctattcaac gagatcggtt ctaacctcaa agcgcccaga gcccaatgac 60
 gagctcgccg acgatgtcca ccacgttgta gtcgcgccat gggccccgaa tgcgaacccc 120
 gaagacatgg cctggtagca tgtgccggtg ctgcatcca cctacttggc ccattcgacc 180
 atccag 186

<210> 1936
 <211> 192
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316004e02b1

 <400> 1936

 acactttggt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60
 attttaaacg caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
 taaaaatgcc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt tt 192

<210> 1937
 <211> 463
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316004e03b1

 <400> 1937

 cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga 60
 tcagacaatg aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120
 agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgctc catgggcccc 180
 gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactcgcat cgggcgactt 240
 gtcccatcgc accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac 300

cctgcaacag gtggcccctt cgaagctgtc cagccacagc ctgagcggca ttgagatcct 360
 agtcctcgac gttgctcccc ttccgctaga caggtgttc gtcaacctgg agagcgaatt 420
 gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 463

<210> 1938
 <211> 468
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316004e08b1
 <400> 1938

gttctcgtc ctcttccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60
 tgcacatgtt cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcatc 240
 cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcttc gtctcgcacg ttgctccctc tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttaca 468

<210> 1939
 <211> 309
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316004f01b1
 <400> 1939

cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga 60
 tcagacaatg aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120
 agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180
 gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcat ccggcgactt 240
 gtcccattcg accatccagt tctgcacctc ctgcgcggcg cttcagagct tcgccgtgac 300
 cctgcaaca 309

<210> 1940
 <211> 406
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316004f02b1

 <400> 1940

 ctcttcccg acctagcaaa tggtaagcca agaaagccaa ctgacggcat tgcacatgag 60
 cagacaatga aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca 120
 gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180
 aatgcgaacc ccgtcgacat ggcctgggtcc gttgtgccgg tactgcgatc cggcgacttg 240
 tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt cgccgtgacc 300
 ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat tgagatcctc 360
 gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacc 406

<210> 1941
 <211> 322
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316004f03b1

 <400> 1941

 ctccccgcac ctagcaaatg gtaagccaag aaagccaact gacggcattg cacatgattc 60
 agacaattaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120
 atcccaatga cgagctcgtc gacgatgtcc accaccttgc agtcgcgcca tgggccccga 180
 atgccaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc ggcgacttgt 240
 cccattcgac catccagttc tcgcccttct cgtgggtgct tgagagcttc gacgagacct 300
 tgctacaggt ggcccccttg aa 322

<210> 1942
 <211> 539
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316004f04b1

cacttttgta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttatagcc aagggtttt gcccatctgc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgccaac tagaactaca 300
 tgagacacta 310

<210> 1945
 <211> 485
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316004f08b1
 <400> 1945

cacttttgta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaatagc caagggtttt tgcccatctg caatagctaa caagaactct ttcttttctt 120
 taaaaatccc aaacctttta ctgacttttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt ttctttttaa acacatccca 240
 acccaaagta taagcgccca cctagtctta tctagtccga aaaatgcca ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia aactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaa 485

<210> 1946
 <211> 169
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316004f09b1
 <400> 1946

caaagaaatg ctgctgctgc tattcaacga gatcgattct aacctcaaag cgcccagatc 60
 ccaatgacga gctcgtcgac gatgtccacc acgttgagct tcgcgccatg ggccccgaat 120

gcgaacccccg tcgatatggc ctggggccgtt gtgccggtac tgccatccg 169

<210> 1947
<211> 552
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004f11b1

<400> 1947

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
ttttaatgcc aagggtcttt gcccatctcc aatagctaac aagaactcct tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agcctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg aggtcaaatt tgatgcagac atgataatta 540
aagattagat tc 552

<210> 1948
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316004f12b1

<400> 1948

ccgcacctag caaatggtaa gccagaatg ccaactgacg gtattgcaca tgattttaca 60
attaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg ccagatccc 120
aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc cccgaatgcg 180
aaccctgctg acatggcctg gtccgttgtg ccgttactgc gatccggcga cttgtcccat 240
tcgaccatcc agttctcgcc ctctcgtcg gcgcttcaga gctttgccgt gaccctgcaa 300
caggtggccc cttcgaagct gtccagccac agccgtagcg gcattgagat cctcgacctc 360

gacgttgctc ccctttcgct agacacgggtg ttcgtcaacc tggagagcga attgacaaaa 420

<210> 1949

<211> 538

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a02b1

<400> 1949

cactttgtta catctagcgg atttggtttt ctttaacaac taagggttcct gtttttaaca 60

ttttaatgcc aagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataat 538

<210> 1950

<211> 542

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a03b1

<400> 1950

tcaacacttt gttacatcta gcggttttgg atttctttaa caactaaggt tcctgttttt 60

aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180

agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240

ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360

taagacctca caaacactca caagttatat agggcttgaa agaaagtcta gggtttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480
aataagaaaa tccaagtatt ttacggatc catgagttca aatttgatgc agacatgata 540
at 542

<210> 1951
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a08b1

<400> 1951

gttctccgac tctcttcccc cacctagcaa atggtaagcc aagaaagcca actgacggca 60
ttgcacatga tctagacata gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
ccatggggccc cgaatgcgaa ccccgtcgac atggcctggg ccgttggtgcc ggtactgcga 240
tccggcgact tgtcccatc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
ttcgccgtga ccctgcaaca ggtggccct tcgaagctgt ccagccacag ccgcagcggc 360
attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtaaacctg 420
gagagcgaat tgacacaacg gctggagagc ggcgagggca ccttttataa ggac 474

<210> 1952
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a09b1

<400> 1952

tcttcccgca cctagcaa at ggtaagccaa gaaagccaac tgacggcatt gcacatgatt 60
tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120
atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
atgcgaaccc cgtcgacatg gcctggtcgg ttgtgccggg actgcgatcc ggcgacttgt 240
ccatttcgac catccagttc tcgccctcct cgtcggcgct tcagagcttt gccgtgacct 300
tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360

tctctgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag agcgaattga 420
 caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca agccccaatg 480
 ccaaggacgt tgtcaacatg acgcccgagg agcgtcta 518

<210> 1953
 <211> 528
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a10b1

<400> 1953

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tctgtttttt 60
 aacattttta tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttaciaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaaccctaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
 taagacctca caaactca caagttatat agggcttgaa agaaagtcta ggtttggggt 420
 tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgat 528

<210> 1954
 <211> 524
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005a12b1

<400> 1954

gttctccgac ctcttccgc acctagcaaa tggttagcca agaaagccaa ctgacggcat 60
 tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggctggtcc gttgtgcccg tactgcgatc 240
 cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtccctcgacg ttgctccccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggacg ttgccaaacat gacgccccgag gagc 524

<210> 1955
<211> 434
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316005b01b1
<400> 1955

ggttaagcga agatgtcggg gcgcggcaag ggaggcaagg gtctgggcaa gggcggcgcc 60
aagcgccacc ggaaggtgct gcgggacaac atccagggca tcaccaagcc ggcgatccgg 120
cgcttggcgc ggcggggcgg cgtgaagcgc atctcggggc tcattctacga ggagacccgc 180
ggcgtgctca agatcttctc cgagaacgtc atccgcgacg ccgtcaccta caccgagcac 240
gcccgcgcga agaccgtcac cgccatggac gtcgtctacg ccctcaagcg ccagggacgc 300
accctctacg gattcggggg ctaggtccg gcgaggcgaa tcgagctcgc accacttgat 360
cagatgttca gattagcagt agctaggcgt tgttcagtgt tcacggtgat cgatgtaatt 420
tatgatgtat ggtg 434

<210> 1956
<211> 514
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316005b04b1
<400> 1956

cacctagcaa atggtaagcc aagaaagcca actgacggca ttgcacatga gttgacaaag 60
aatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc agatcccaat 120
gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac 180
cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat ccggcgactt gtcccattcg 240
accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac cctgcaacag 300

gtggccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct cgtcctcgac 360
 gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt gacaaaacgg 420
 ctggagagcg gcgagggcac cttttacaag gaccatccga caagcccca tgccaaggac 480
 gttgccaaca tgacgccga ggagcgtcta gcc 514

<210> 1957
 <211> 553
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005b07b1
 <400> 1957

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaatgcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 ccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatcttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tca 553

<210> 1958
 <211> 536
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005b08b1
 <400> 1958

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaatgcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

cattttaatg ccaagggtt ttgcccatt ccaatagcta acaagaactc tttcttttct 120
 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggtaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480
 taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540
 taaagattag attcaggttc aaattgata 569

<210> 1961
 <211> 537
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005c01b1
 <400> 1961

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa 60
 cattttaatg ccaagggtt ttgcccatt ccaatagcta acaagaactc tttcttttct 120
 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aacccaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggtaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480
 taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgat 537

<210> 1962
 <211> 523
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005c03b1

<400> 1962

ttctccgacc tcttcccga cctagcaa at ggtaagccaa gaaagccaac tgacggcatt 60

gcacttgagc tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120

aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180

tgggccccga atgcgaaccc cgtcgacatg gcttgggtccg ttgtgcccgt actgcatcc 240

ggcgacttgt cccattcgac catccagttc tgcctctcct cgtcggcgct tcagagcttc 300

gccgtgacct tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360

gagatcctcg tcttcgacgt tgctcccctt ccgctagaca cgggtgttcgt caacctggag 420

agcgaatcga caaaacggct ggagagcggg gagggcacct tttacaagga ccatccgaca 480

agccccaatg ccaaggacgt tgccaacatg acgcccagg agc 523

<210> 1963

<211> 539

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c06b1

<400> 1963

acactttgtt acatctagcg gatttggtt tctttaacaa ctaagggtcc tgtttttaac 60

attttaatgc caatggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtcgga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggtatccat gaggttcaaat ttgatgcaga catgataat 539

<210> 1964

<211> 456

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c07b1

<400> 1964

caaatttaca cgctccctgc atttcgtggt ctccccaat atattactgc atcttcactt 60
tcacccccac catattatca ccgcaaaaat ggtggaccac ggtatatacct cacagctact 120
cctatcacac aggttatcat agagccattc aaacagagat ttcgaaaaga acccctgctg 180
cctccttcgc ggcacaaatc tgacccaaat cccaattga gctggacagt ctctaagcac 240
gtgaagcaca gattcaactc cacctttaca aacctgagac acattcgagg cgctaagatg 300
tcttcgatgc cgttcctcat ctgtcataac tatgtccagt ttggttatat atattttctg 360
tttatactta tatttatata tatttttctt aaatataact attacttttg attatttggt 420
aaacatgtcc atggatttaa ctcaatctca ataaat 456

<210> 1965

<211> 422

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c11b1

<400> 1965

cttcccgcac ctagcaaag gtaagccaag aaagccaact gacggcattg cacatgatct 60
gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tgccaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg gcgacttgct 240
ccattcgacc atccagttct cgccctctc gtcggcgctt cagagctttg ccgtgaccct 300
gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
cctcgacgtt gctcccctc cgctagacac ggtgttcgac aacctggaga gcgaattgac 420
aa 422

<210> 1966

<211> 588

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005c12b1

<400>

1966

acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60
attttaatgc caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtcgga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540
aaagattaga ttcaggttca aattgatagg gaatggtatc agatcatg 588

<210> 1967

<211> 553

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d01b1

<400> 1967

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttta 60
cattttaatt ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120
ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aacccaaagt ataagcgccc acctagtcct atctagtcgga aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480
taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540
taaagattag att 553

<210> 1968
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d02b1

<400> 1968

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttta 60
cattttaatt ccaagggctt ttgcccatct ccaatagcta acaagaactc tttcttttct 120
ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aacccaaagt ataagcgccc acctagtcct atctagtcg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcgggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
ggttaactgc tctaataagg agagtcagct acttgatta aaaagagtga tcaaaatgaa 480
taagacaatc caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540
taaaga 546

<210> 1969
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d03b1

<400> 1969

tcaacacttt gttacatcta ggggatttgg atttcttta caactaaggt tcctgttttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttggggt 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 attaaa 546

<210> 1970
 <211> 544
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005d04b1
 <400> 1970

cactttgtta cgtctagcgg atttggaattt ctttaacaac taagggttcct gtttttaaca 60
 ttttaagtcc aagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatcttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aaga 544

<210> 1971
 <211> 474
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005d06b1
 <400> 1971

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
 ttgcacatga gcttgacata gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
 tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
 ccatgggccc cgaatgcgaa ccccgctcgc atggcctggg ccgttgtgcc ggtactgcga 240
 tccggcgact tgtccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300

ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag cgcgagcggc 360
attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtggt cgtcaacctg 420
gagagcgaat tgacaaaacg gctggagagc ggcgagggca cctttttacaa ggac 474

<210> 1972
<211> 588
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d07b1

<400> 1972

cactttgtta catctagcgg atttggtttt ctttaacaac taaggttcct gtttttaaca 60
ttttaatgcc aagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacce cttttttttt ttctttttaa cacatcccaa 240
cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagcgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
aagattagat tcagggttcaa attgataggg aatgggtatca gatcatga 588

<210> 1973
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005d12b1

<400> 1973

gttctccgac ctcttcccgcc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgcacatgat cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcctgggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tccattcga ccatccagtt ctgcgcctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctt gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctccccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc tttt 464

<210> 1974
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e02b1

<400> 1974

cttcccgac ctagcaaag gtaagccaag aaagccaact gacggcattg cacttgagtt 60
tacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tgccaacccc gtcgacatgg cctgggtcgt tgtgccggta ctgcgatccg gcgacttgtc 240
ccattcgacc atccagttct cgcctcctc gtcggcgctt cagagcttcg ccgtgaccct 300
gcaacagggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
cctcgacgtt gctccccctt cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420
aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gcccgaatgc 480
caaggacgtt gccaacatga cgcccgagga gcgtcta 517

<210> 1975
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e05b1

<400> 1975

cgactctctg cccgcaccta gcaaagtgtg agccaagaaa gccaactgac ggcattgcac 60
atgagtagac ttagaaatgc tgctgctgct attcagcgag atcgattcta acctcaaggg 120
gccagatcc caatgacgag ctgcgacg atgtccacca cgttgcagtc gcgccatggg 180
ccccgaatgc gaaccccgctc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agctttgccg 300
 tgaccctgca acaggtggcc cttcgaagc tgtccagcca cagccgcagc ggcattgaga 360
 tcctcgttct cgacgttgct ccccttcgg tagacac 397

<210> 1976
 <211> 552
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005e06b1
 <400> 1976

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaatgcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tc 552

<210> 1977
 <211> 519
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005e07b1
 <400> 1977

cgacctcttc ccgcacctag caaatggtaa gccaaagaa ccaactgacg gcattgcaca 60
 tgagtctgac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120
 gccagatcc caatgacgag ctgctcgacg atgtccacca cgttgcagtc gcgcatggg 180
 ccccgaaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240

acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccc 300
 tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360
 tcctcgtcct cgacgttgct ccccttccgc tagacacggt gttcgtcaac ctggagagcg 420
 aattgacaaa acggctggag agcggtgagg gcacctttta caaggaccat ccgacaagcc 480
 ccaatgccaa ggacgttgcc aacatgacgc ccgaggagc 519

<210> 1978
 <211> 524
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e08b1

<400> 1978

gttctccgac ctcttcccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
 tgcacatgag ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcctgggcc gttgtgccgg tactgcgatc 240
 cggcgacttg tccattcgga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtccctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacatgg accatccgac 480
 aagccccaat gccaaaggacg ttgccaacat gacgcccag gagc 524

<210> 1979
 <211> 558
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005e11b1

<400> 1979

aacgctcaac actttgttac atctagcggg tttggatttc tttacaact aaggttctctg 60
 tttttaacat tttaatgcca agggcttttg cccatctcca atagctaaca agaactcttt 120
 cttttcttta caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca 180

cctagagtct tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac 240
 acatcccaac ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact 300
 agaactacat gagacactat ctctgtcggt acgaacctaa cactttctac caagcttaat 360
 cggaataaga cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt 420
 gggtttgggt taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca 480
 aatgaataa gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca 540
 tgataattaa agattaga 558

<210> 1980
 <211> 543
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005e12b1

<400> 1980
 tcaacacttt gttacatcta gcggtttgg atttctttaa caactaaggt tcctgttttt 60
 aacattttta tgccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttaciaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt gatcaaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 att 543

<210> 1981
 <211> 494
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005f01b1
 <400> 1981

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
 ttgcacatga gttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
 agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480
 caagcccaa tgcc 494

<210> 1982
 <211> 473
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005f02b1
 <400> 1982

gttctccgac tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
 ttgcacatga gttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
 ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
 agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 473

<210> 1983
 <211> 469
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316005f05b1
 <400> 1983

cgacctcttc ccgcacctag caaatggtaa gccaaagaaag ccaactgacg gcattgcaca 60
 tgatcttgac tttgaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120
 gccagatcc caatgacgag ctctgctgacg atgtccacca cgttgcagtc gcgccatggg 180
 ccccgaaatgc gaacccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240
 acttgctcca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300
 tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcatcgaga 360
 tcctcgtcct cgacgttgct ccccttcgcg tagacacggt gttcgtcaac ctggagagcg 420
 aattgacaaa acggctggag agcggcgagg gcacctttta caaggacca 469

<210> 1984
 <211> 553
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005f07b1

<400> 1984

cactttgtta catctagcgg atttggaattt ctttaacaac taagggttcct gtttttaaca 60
 ttttaatgcc aagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaateccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tca 553

<210> 1985
 <211> 526
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316005f08b1

<400> 1985

acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac attttaatgc 60
caagggcttt tgcccatctc caatagctaa caagaactct ttctgttctt tacaaatccc 120
aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt cttctacctt 180
ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca acccaaagta 240
taagcgccca cctagtcccta tctagtccga aaaatgcgaa ctagaactac atgagacact 300
atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa gacctcacia 360
aactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gtttaactgct 420
ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat aagaaaatcc 480
aagtatttta cggtatccat gagttcaa attgatgcaga catgat 526

<210> 1986

<211> 535

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316005f09b1

<400> 1986

acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac attttaatgc 60
caagggcttt tgcccatctc caatagctaa caagaactct ttcttttctt tacaaatccc 120
aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt cttctacctt 180
ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca acccaaagta 240
taagcgccca cctagtcccta tctagtccga aaaatgcgaa ctagaactac atgagacact 300
atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa gacctcacia 360
aactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gtttaactgct 420
ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat aagaaaatcc 480
aagtatttta cggtatccat gagttcaa attgatgcaga catgataatt aaaga 535

<210> 1987

<211> 297

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316005f12b1

<400> 1987

acgcttgcat cgtgctcgac ctcgaccccc tccctccccc ggccggcaat ccatggcgct 60
gcgcaacctg gccgggaagg tgcggatccc cacctctgct gctgcccggc tcccgatgcc 120
ccccaccgt gctgctttcc ggctcccatc ggaccctagc gttccgccgg cgaccgtttc 180
tcgggtcgag agcgccagag actggtacca gttccagcgg gcacgttatg atgatgtgac 240
aagagagttt agaaacttca ggcttgaggt tgtgcggtct gaaaaggagg ctaacct 297

<210> 1988

<211> 521

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a01b1

<400> 1988

cttcccgac ctagcaaag gtaagccaag aaagccaact gacggcattg cacatgagct 60
gacaaagtaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tggaaccccc gtcgacatgg cctgggtcgt tgtgccggta ctgcatccg gcgacttgct 240
ccattcgacc atccagttct cgccctctc gtcggcgctt cagagcttcg ccgtgacct 300
gcaacagggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
cctcgacgtt gctccccctc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420
aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gccccaatgc 480
caaggacgtt gccaacatga cgcccgagga gcgtctagcc a 521

<210> 1989

<211> 512

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a02b1

<400> 1989

cttcccgac ctagcaaag gtaagccaag aaagccaact gacggcattg cacatgagtt 60

gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
 tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
 tgcgaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg gcgacttgtc 240
 ccattcgacc atccagttct cgcctctctc gtcggtgctt cagagcttcg ccgtgaccct 300
 gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
 cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420
 aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa gcccgaatgc 480
 caaggacgtt gccaacatga cgcccgagga gc 512

<210> 1990
 <211> 514
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316006a03b1
 <400> 1990

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60
 tttattgcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcccacc tagtctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
 taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aatgaataa 480
 gaaaatccaa gtatttttac gtatccatga gttc 514

<210> 1991
 <211> 415
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316006a04b1
 <400> 1991

ctcaacactt tgttacatct agcggatttg gatttcttta acaactaagg ttcctgtttt 60
taacatttta atgccaaggg cttttgccc tctccaatag ctaacaagaa ctctttcttt 120
tctttacaaa tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta 180
gagtcttcta ccttttctta tcattgaatc aaccctttt ttttttctt ttaaacacat 240
cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
ctacatgaga cactatctct gtcgttacga acctaactt ttctaccaag cttaatcgga 360
ataagacctc acaaactctc acaagttata tagggcttga aagaaagtct aggtt 415

<210> 1992
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a06b1

<400> 1992
gttctccgac ctcttcccg c acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgcacatgag ctgacaaaga aatgctgctg ctggtattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttggctc gttgtgc 227

<210> 1993
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a08b1

<400> 1993
cgactctctt cccgcaccta gcaaattgta agccaagaaa gccaaactgac ggcattgcac 60
atgagttgac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120
gccagatcc caatgacgag ctctgctgacg atgtccacca cgttgcagtc gcgccatggg 180
ccccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240
acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300
tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360

tcctcgctcct cgacgttgct ccccttccgc tagacacggt gttcgtcaac ctggagagcg 420
aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat cgcacaagcc 480
ccaatgccaa ggacgttgcc aacatga 507

<210> 1994
<211> 540
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006a10b1
<400> 1994

acatctagcg gatttggatt tctttaacaa ctaaggttcc tgtttttaac attttaaatc 60
caagggtctt tgcccatctc caatagctaa caagaactct ttcttttctt tacaaatccc 120
aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt cttctacctt 180
ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca acccaaagta 240
taagcgccca cctagtecta tctagtccga aaaatgcgaa ctagaactac atgagacact 300
atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa gacctcacia 360
acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gtttaactgct 420
ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat aagaaaatcc 480
aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt aaagattaga 540

<210> 1995
<211> 521
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006a11b1
<400> 1995

tttgttacat ctagcggatt tggatttctt taacaactaa gggtcctggt tttaacattt 60
taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaaccctt tttttttttc ttttaaacac atcccaaccc 240
aaagtataag cgccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300

gacactatct ctgtcggttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta 420
actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480
aatccaagt attttacggt atccatgagt tcaaatttga t 521

<210> 1996
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006a12b1

<400> 1996

atttacgtcg cgcaccggcg ctccgacctc ttccgcgacc cctccgcggt cggcaagatc 60
accgcatggt cctcggcgtg cagggcgagc gtggaggcgg aggagaggaa ggccagggat 120
gccaaagagga aggcggcgga gctggagaag gcagcggcgg ccgagaagga gaggggtggc 180
aaggccgcgg ccgagaagga gaagcgggag agctcggtgg tgacggagga gcgggggtgca 240
gggagctcgg ccgagaagga tggcagcacg gaggtggaga agaaggagag caaggcgaac 300
aaaccaaagt ctggcaatgg tcttgatatg gagaagtatt cctggactca gcagttacca 360
gaggttaatg tcaatgttcc tgttcttgaa ggaacaaagt caaggt 406

<210> 1997
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b01b1

<400> 1997

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ttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaaag ttatataggg cttgaaagaa agtctagggt tggggttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tca 553

<210> 1998
 <211> 407
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b02b1

<400> 1998

ctctgtctc ctctgcccc tcccttctct cccctcgcgt cctcctcgcg cgcgcgcgtt 60
 ttataaaggg ttctggggcg cgggatggcc gacgacgaca gcgggagccc ccggggcggc 120
 ggcgggggtca gggagcagga ccgcttcctc cccatcgcca acatcagccg catcatgaag 180
 aaggccgtgc cggccaacgg caagatcgcc aaggacgcca aggagaccct gcaggagtgc 240
 gtctccgagt tcatctcctt cgtcaccagc gaggccagcg acaagtgcc gaaggagaag 300
 cgcaagacca tcaacgggga cgatctgctc tgggccatgg ccacgctcgg attcgaggag 360
 tacgtagacc cctcaagat ctacctgcaa aagtacagag atatgga 407

<210> 1999
 <211> 468
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b03b1

<400> 1999

atctagcgga ttggacttc tttaacaact aagggtcctg tttttaacat ttaaatgcca 60
 agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa 120
 aacctttact agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180
 cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata 240
 agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagaactat 300
 ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaaac 360

actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggttcgggt taactgctct 420
aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaat 468

<210> 2000
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b05b1

<400> 2000

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ttttaatgcc aagggtttt gccatctgc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tc 352

<210> 2001
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b07b1

<400> 2001

actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60
tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttggt 420
taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatg 475

<210> 2002
 <211> 467
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316006b08b1

 <400> 2002

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 tgagctgaca atgaaatgct gctgctgcta ttcaacgaga tcgattttta ccttaaagcg 120
 cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180
 cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
 cttgtcccat tcgaccatcc agttctcgcc ctctctgctg gcgcttcaga gcttcgccgt 300
 gacctgcaa caggtggccc cttcgaagct gttcagccac agccgcagcg gcattgagat 360
 cctcgctctc gacgttgctc cccttcgct agacacggtg ttcgtcaacc tggagagcga 420
 attgacaaaa cggctggaga gcggcgaggg caccttttac aaggacc 467

<210> 2003
 <211> 533
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316006b09b1

 <400> 2003

 actttgttac atctagcgga tttggatttc tttaacaact aagggttcctg tttttaacat 60
 tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcaccac tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 ctcacaaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt ggggttggtt 420
 taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480
 gaaaatccaa gtattttacg gtatccatga gttcaaatgt gatgcagaca tga 533

<210> 2004
 <211> 454
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006b11b1

<400> 2004

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tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt   60
taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca  120
aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc  180
taccttttct tatcattgaa tcaacccctt ttttttttct ttttaaacac atcccaaccc  240
aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga  300
gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg gaataagacc  360
tcacaaacac tcacaagtta tatagggtct gaaagaaagt ctaggtttgg gtttgggtta  420
actgctctaa taaggagagt cagctacttg gatt                                     454

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<210> 2005
 <211> 355
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006c05b1

<400> 2005

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ttaaaacctc actgcttggt tcttgaaacc acaggtgttg aatttatggg gatactatcc   60
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gccagggcat acgatcttct ggctctcagt tcttgacgtt gggacagctg ctctaattgt  180
agcaaaccta tcaaataaat aagttatata actcgccata gatcatcttt gctcttcccg  240
agtcgatgtt ctgaatgttg aattttcagg gcttggtcaa ttcaatagcc tatgggttca  300
acagctcagt gcgcttagca atccatgaga gactggagct gtaagtcacc accga       355

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<210> 2006
 <211> 457
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006c08b1

<400> 2006

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tacattgaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120

tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180

tgcgaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg gcgacttgtc 240

ccattcgacc atccagttct cgcctcctc gtcggcgctt cagagcttcg ccgtgaccct 300

gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360

cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaag 457

<210> 2007

<211> 498

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006d01b1

<400> 2007

tagcggattt ggatttcttt aacaactaag gttcctgttt ttaacatttt aaagccaagg 60

gcttttgccc atctccaata gctgacaaga actctttctt ttctttacaa atcccaaaac 120

ctttactaga ctttttctgc ttctttagct tacttcacct agagtcttct accttttctt 180

atcattgaat caaccccttt ttttttttct tttaaacaca tcccaaccga aagtataagc 240

gccacctag tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctc 300

tgctgttacg aacctaacac tttctacaa gcttaatcgg aataagacct caciaaact 360

cacaagttat atagggctcg aaagaaagtc taggtttggg tttgggttaa ctgctcta 420

aaggagagtc agctacttgg attaaaaaga gtgatcaaaa tgaataagaa aatgcaagta 480

ttttacgggt atcatgag 498

<210> 2008

<211> 484

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006d07b1

<400> 2008

cgacctcttc ccgcacctag caaatggtaa gccaaagaaag ccaactgacg gcattgcaca 60

tgagctgaca atgaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg 120

cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgtttgtg ccggtactgc gatccggcga 240

cttgtcccat tcgaccatcc agttctcgcc ctctctgctg gcgcttcaga gcttcgccgt 300

gacctgcaa caggtggccc ctctgaagct gtccagccac agccgcagcg gcattgagat 360

cctcgtcctc gacgttgctc cccttcgct agacacggtg ttcgtcaacc tggagagcga 420

attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480

caat 484

<210> 2009

<211> 498

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006d10b1

<400> 2009

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tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180

tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240

ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300

gagacactat ctctgtcggt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480

gaaaatccaa gtatttta 498

<210> 2010

<211> 388

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006e02b1

<400> 2010

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ctcatgagct gacaaagaaa tgctgctgct ggtattcaac gagatcgatt ctaacctcaa 120
agcgcccaga tcccaatgtc gagctcgctc acgatgtcca ccacgttgca gtcgcgccat 180
gggccccgat tgcgaacccc gtcgacatgg cctgggtccgt tgtgccggtg ctgcatccg 240
gcgacttgct ccattcgacc atccagttct cgccctctc gtgggcgctt cagagcttcg 300
ccgtgaccct gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg 360
agatcctcgt cctcgacgtt gtcacct 388

<210> 2011

<211> 414

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006e04b1

<400> 2011

gatgctcttg ccttcagact cccgattaag gcccgacaga tatgcccttg agaagggcga 60
catgtctaaa tctggggcac acaagagcag gcttgaagaa caacaaagag ctgagaagaa 120
aattcgggac accaaggggg agcaatttac tccaaaatgg ttcaagatga cggaagacat 180
ctcccctacc ccgtggggcg acctggaggt gtatgaatac aatggcagat acgccgagca 240
ccgggctgctg atagacagct ctagcgctgc tgccaaggag aaggacgtca gtcctatcga 300
gttcaaccg tggcagtatg gcgacttgcc ttcccaatga tttcaatggg tctgaaacca 360
cccatatatt attttctcat cgaaaaagct atcaggcctt gtgctgatgc atac 414

<210> 2012

<211> 454

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006e05b1

<400> 2012

ctcttccgc acctagcaaa tggtatgcca agaaagccaa ctgacggcat tttcatgat 60

cttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct caaagcgccc 120
 agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180
 gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat cgggcgactt 240
 gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac 300
 cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct 360
 cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt 420
 gacataacgg ttggagagcg gcgagggcac cttt 454

<210> 2013
 <211> 318
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316006e06b1
 <400> 2013

tctccgacct cttcccgcac ctagcaaatg gtatgccaaag aaagccaact gacggcattg 60
 tacatgagca gacaaagaaa tgctgctgct ggtattcaag gagatcgatt ctaacctcaa 120
 agcgcccaga tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat 180
 gggccccgaa tgccaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcgatccg 240
 gcgacttgtc ccattcgacc atccagttct cgccctcctc gtcggcgctt cagagcttcg 300
 ccgtgaccct gcaacagg 318

<210> 2014
 <211> 301
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316006e07b1
 <400> 2014

acctagcaaa tggtaagcca agaaagccaa ctgacgggat tgtacatgag ctgacattta 60
 aatgctgctg ctgctattca acgagatcga ttctaacctt aaagcgccca gatcccaatg 120
 acgagctcgt tgacgatgtc caccacgttg cagtcgcgcc atgggccccg aatgccaacc 180
 ccgtcgacat ggctgggtcc gatgtgccgg tactgcgata cggcgacttg ttccattcga 240

ccatccagtt ctgcccctcc tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg 300
t 301

<210> 2015
<211> 466
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006e11b1
<400> 2015

ttctccgact ctcttcccgc acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60
tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtgcgcgc 180
atgggccccg aatgcgaacc ccgtcgacat ggcctgggcc gttgtgccgg tactgcgatc 240
cggcgacttg tccattcgga ccatccagtt ctgcccctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgtcccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaaccgc tggagagcgg cgagggcacc ttttac 466

<210> 2016
<211> 253
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006f01b1
<400> 2016

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tgacaaagta atgctgctgc tgctattcaa cgagatcgat tgtaacctca aagcgcccag 120
atcccaatga ctagctcgtc gacgatgtcc accaccttgc agtcgcgcca tgggccccga 180
atgccaaccc cgtctacatg gcctgggccg ttgtgccggt actgcgatcc ggcgacttgt 240
ctcattcgac cat 253

<210> 2017
<211> 320

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316006f02b1

 <400> 2017

 gttctccgtc tctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
 ttgcacatga gctgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
 caaagcgccc agatcccaat gacgagctcg tgcagcatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
 ccggcgactt gtcccatctg accatccagt tctcgccctc ctcgtcggcg ctttagagct 300
 tcgccgtgac cctgcaacag 320

<210> 2018
 <211> 298
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316006f04b1

 <400> 2018

 atctagcgga tttggatttc ttttaacaact aagggccctg tttttaacat tgtatttcca 60
 agggcttttg cccatctcca atagctaaca tgaactcttt cttttcttta caaattccaa 120
 aacctttact agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180
 cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata 240
 agcgcccacc tagtcctatt tagcccgaaa aatgcgaact agaactacat gagacact 298

<210> 2019
 <211> 464
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316006f05b1

 <400> 2019

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 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aaga 464

<210> 2020
 <211> 510
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316006f07b1
 <400> 2020

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 gccagatcc caatgacgag ctctgacgac atgtccacca cgttgcagtc gcgccatggg 180
 cccgaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240
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 tgacctgca acaggtggcc ccttcgaagc tgtccagcca cagccgtagc ggcatgaga 360
 tcctcgtcct cgacgttgct ccccttccgc tagacacggg gttcgtcaac ctggagagcg 420
 aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat tcgacaagcc 480
 ccaatgcaa ggacgttgcc aacatgacgc 510

<210> 2021
 <211> 509
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316006f09b1
 <400> 2021

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 cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgtcg acatggcctg gtccgttggtg ccggtactgc gatccggcga 240
 cttgtcccat tgcaccatcc agttctcgcc ctctctgctg gcgcttcaga gcttcgccgt 300
 gacctgcaa caggtggccc cttcgaagct gctcagccac agccgcagcg gcattgagat 360
 cctcgctctc gacgttgctc cccttccgct agacacgggtg ttcgtcaacc tggagagcga 420
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<210> 2022
 <211> 394
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f10b1

<400> 2022

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 tttttctgct tctttagctt acttcaccta gagtcttcta ctttttctta tcattgaatc 180
 aacctctttt ttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt 240
 cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatcttt gtcgttacga 300
 acctaacact ttctaccaag cttaatcgga ataagacctt acacacactc acaagttata 360
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<210> 2023
 <211> 418
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006f11b1

<400> 2023

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 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctaccttgt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240

<210> 2026
 <211> 121
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g04b1

<400> 2026

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 c 121

<210> 2027
 <211> 563
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g06b1

<400> 2027

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 gtttttaaca ttttaaagcc aagggtttt gcccatctcc aatagctaac aagaactcct 120
 tcttttcttt acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc 180
 acctagagtc ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa 240
 cacatcccaa cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac 300
 tagaactaca tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa 360
 tcggaataag acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt 420
 tgggtttggg ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc 480
 aaaatgaata agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac 540
 atgataatta aagattagat tca 563

<210> 2028
 <211> 414
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g07b1

<400> 2028

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ggcgccggcc gtggcgagtg cgactagggg aggaggacgg ggaagtgacc gccctacggc 120
cagccgagcg ctggtgtcaa agaagtcaaa caaggaccac cgtttgtgga ttaggaaaga 180
cttggctggg tcaggggaaga aggctctttg tcttgtaat actgtaacca agtggctgat 240
gagtaaaggt caggtgctga catggacaac gtacgataca ctgctgttgg ctctttctat 300
ggatggaaga gtagatgagg ctgagtcaat ttggaatact atcttacaaa cttatacacg 360
ctcagtgcc aagaagttgt tctctcgat gatccagatt tacaacacgc gcc 414

<210> 2029
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g08b1

<400> 2029

ttgttacatt tagcggattt ggatttcttt aacaactaag gttcctgttt ttaacatttt 60
aatgtccagt ttcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aatcccaaaa cctttactag actttttctg cttctttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaaccctt ttttttttc ttttaaacac atcccaaccc 240
aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300
gacactatct ttgtcggttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggttcgg gtttgggtta 420
actgctcta 429

<210> 2030
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g09b1

<400> 2030

acactttggt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60
attttaatgc caagggttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtecta tctagtccga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cggtatccat gagttcaaat tt 522

<210> 2031
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g10b1

<400> 2031

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tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcggaact agaactacat 300
gagacactat ctctgtcggt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt ggggtttgggt 420
taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480
gaaaatccaa gtatttttacg 500

<210> 2032
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006g12b1

<400> 2032

tcggttttgc acaactcaag aaactacacc acaaaccgg acatggctag aaagaataac 60

atggcggtcca agtctagcat cccccccctc ctcttggcca cgtcctggt ctccgtcttc 120
gccgccgtca cagccacagg tccatattgc tacgccggga tgggcctttc gatcaaccg 180
tttgaaggct gccgggagta tgtcgcacag caaacctgtg gcatcagcat atccgggtcg 240
gcggtgtcca ccgagcggg gaacacccca agggatcggt gctgcaagga gctttacgac 300
gcctcgagc attgccggtg cgaggcagtg cgctacttca tagggcggag gtctgatccc 360
aattccagcg t 371

<210> 2033
<211> 393
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006h01b1
<400> 2033

ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt taaagccaag 60
ggctttttgcc catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa 120
cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc taccttttct 180
tatcattgaa tcaaccctt ttttttttct ttttaaacac atcccaacc aaagtataag 240
cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga gacactatct 300
ctgtcggttac gaacctaaac ctttctacca agcttaatcg gaataagacc tcacaaacac 360
tcacaagtta tatagggtt gaaagaaagt cta 393

<210> 2034
<211> 403
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006h03b1
<400> 2034

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttta 60
catttttaaag ccaagggctt ttgccatct gcaatagctg acaagaactc tttcttttct 120
ttacaaatcc caaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tttctacct tttcttatca ttgaatcaac ccttttttct tttcttttta aacacatccc 240

aacccaaagt ataagcgccc acctagtcct atctagtcg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaa 403

<210> 2035
<211> 367
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006h04b1
<400> 2035

gttctccgac ctcttcccg acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgcccgg tactgcgatc 240
cggcgacttg tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatc 367

<210> 2036
<211> 309
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316006h05b1
<400> 2036

acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggttc tgtttttatc 60
attagattgt caagggttc tgccatctg gaatagctga caagatctct ttggttttct 120
ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aacccaaagt ataagcgccc acctaggcct atctagtcg aaaaatgcga actagaacta 300
catgagaca 309

<210> 2037
 <211> 501
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316006h06b1

 <400> 2037

 cactttgtta catctagcgg atttggattt ctttaacaac taagggttcct gtttttaaca 60
 ttttaaagcc aagggccttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tggggttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac g 501

<210> 2038
 <211> 449
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316006h07b1

 <400> 2038

 acctagcaga tggtaagcca agaaagccaa ctgacggcat tgcacatgag ctgacattga 60
 aatgctgctg ctgctattca acgagatcga ttttaacctc aaagcgcca gatcccaatg 120
 acgagctcgt cgacgatgtc caccacgttg cagtgcgcc atgggccccg aatgcgaacc 180
 ccgtcgacat ggcctggtcc gttgtgccgg tactgcgatc cggcgacttg tcccattcga 240
 ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt tgccgtgacc ctgcaacagg 300
 tggccccctc gaagctgttc agccacagcc gcagcgggat tgagatcttc gtactcgacg 360
 ttgctccctc tccgctagac acggtgttcg tcaacctgga gagcgaattg aaaaaacgga 420
 tggagagcgg cgagggcacc ttttacaag 449

<210> 2039
 <211> 486
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316006h08b1

 <400> 2039

 cgactctctt cccgcaccta gcaaattggtta agccaagaaa gccaaactgac ggtattgcac 60
 atgagctgac aattaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120
 gccagatcc caatgacgag ctctgctgacg atgtccacca cgttgacgac gcgccatggg 180
 ccccgaaatgc gaaccccgctc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240
 acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300
 tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360
 tcctcgtcct cgacgttgct ccccttcgcg tagacacggt gttcgtcaac ctggagagcg 420
 aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat ccgacaagcc 480
 ccaatg 486

<210> 2040
 <211> 458
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316006h09b1

 <400> 2040

 ccgcacctag caaatggtga gccaaagaaag ccaactgacg gtattgcaca tgatctgaca 60
 aagaaatgct gctggtgcta ttcaacgaga tcgattctaa cctcaaagcg ccagatccc 120
 aatgacgagc tcgtcgacga tgtccaccac gttgcagatc gcgccatggg ccccgaaatgc 180
 gaaccccgctc gacatggact ggtccgatgt gccggtactg cgatccggcg acttgtccca 240
 ttcgaccatc cagttctggc cctcctcgtg ggcgcttcag agctttgccg tgaccctgca 300
 acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga tcctcgtcct 360
 cgacgttgct acctttacgc tagacacggt gatcgacaac ctggagagcg aattgacaaa 420
 acggttgagg agcggcgagg gcacctttta caaggacc 458

<210> 2041
 <211> 538
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316006h10b1

 <400> 2041

 actttgttac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60
 tttaaagcca agggccttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcaccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
 taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480
 gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataatt 538

<210> 2042
 <211> 551
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316006h11b1

 <400> 2042

 ctctaacgct caacactttg ttacatctag cggatttggg tttctttaac aactaagggt 60
 cctgttttta acatttttaa gccaaagggt tttgccatc tccaatagct aacaagaact 120
 ctttcttttc ttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
 ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt 240
 aaacacatcc caaccctaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
 aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttggtttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
 atcaaatga ataagaaaat ccaagtattt tacggtatcc atgagtttca aattgatgca 540

gacatgataa t

551

<210> 2043
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316006h12b1

<400> 2043

gttctccgac tctcttcccg cacctagcaa atggttaagcc aagaaagcca actgacggca 60
ttgcacatga gttgacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcat 240
ccggcgactt gtcccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480
caagccccaa tgccaagg 498

<210> 2044
<211> 574
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007a03b1

<400> 2044

cttcccgcac ctagcaaattg gtcagccaag aaagccaact gacggcattg cacatgagca 60
gactaagaaa tgctgctgct gctattcagc gagagcgatt ctaacctcaa ggcgcccaga 120
tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tgcgaaacccc gtcgacatgg cctggtcctg tgtgccggta ctgcgatccg gcgacttgct 240
ccattcgacc atccagttct cgcctcctc gtcggcgctt cagagcttcg ccgtgaccct 300
gcaacaggtg gcccttcga agctgttcag ccacagccgc agcgggattg agatcctcgt 360
cctcgacggtt gctccccttc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420

aaaacggctg gagagcggcg agggcacctt ttacaaggac cattcgacaa gcccgaatgc 480
caaggacgtt gccaacatga cgcccgagga gcgcctagcc acggcgctca gggcagctct 540
cagcacctc aagattgtcc attccggcga ttg 574

<210> 2045
<211> 524
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007a04b1
<400> 2045

cactttgtta catctagcgg atttggtttt ctttaacaac taaggttcct gtttttaaca 60
ttttaatgcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtcgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgat 524

<210> 2046
<211> 576
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007a05b1
<400> 2046

tgtggctgga tttcatcatt aaaacctcac tgcttggttc ctgaaaccac aggtgttgaa 60
cagatgggga tactatccac tcattctaatt aggatcatgg gcattcggca ctattaaccg 120
tatccatgat ttcacgagc cagggcataa gatcttctgg ctctcagttc ttgacgttgg 180
gacagctgca ctaatggtag caaacctatc aaataaataa gttataaaat tcgccataga 240
tcattcttgc tcttcccgag tcgatgttct gaatgttgta ttttcagggc ttgttcaatt 300

caatagccta tggtttcaac agctcagtgc gtcgagcaat ccatgagaga ctggagctgt 360
aagtcaccac cgatctcttt ggtttgctat attattccca ataatcaatg aagcttgatt 420
tttatgaaac ccttggctctg ctagattctt gccagaacgg ctatatcgat ggcttccaag 480
caatttcaga ccaaaaaacc atctgattct acatcagcaa caacaacagc gaagcgaaat 540
ggatatcactc aagaccgagg accagcaatg acacta 576

<210> 2047
<211> 479
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007a07b1
<400> 2047

cactttgtta catctagcgg atttgattt cttaacaac taaggttect gtttttaaca 60
ttttaagcc aagggctttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttctttttaa cacatcccaa 240
cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ctaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaat 479

<210> 2048
<211> 537
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007a08b1
<400> 2048

ctctaacgct caacactttg ttacatctag cggatttgga tttctttaac aactaagggt 60
cctgttttta acattttaat gccaaagggt tttgccatc tccaatagct aacaagaact 120
ctttcttttc tttaaaaac ccaaaacctt tactagactt tttctgcttc ttagcttac 180
ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt 240

aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggtct tgggctaact gctctaataa ggagagtcag ctacttggtat taaaagagtg 480
atcaaaatga ataagaaaat ccaagtatctacggtatcc atgagttcaa atttgat 537

<210> 2049
<211> 533
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007a09b1
<400> 2049

ccgacctctt cccgcaccta gcaaattggtta agccaagaaa gccaaactgac ggcattgcac 60
atgatcagac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaggc 120
gccagatcc caatgacgag ctctgctgacg atgtccacca cgttgcagtc gcgccatggg 180
ccccgaatgc gaaccccgctc gacatggcct ggtccggttg gcccgtactg cgatccggcg 240
acttggtcca ttcgaccatc cagttctctgc cctcctcgtc ggcgcttcag agcttcgccg 300
tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360
tcctcgtcct cgacgttgct ccccttccgc tagacgagcg gtgttcgtca accttggaga 420
gcgaattgac aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa 480
gcccgaatgc caaggacgtt gccaacatga cgcccagga gcgtctagcc acg 533

<210> 2050
<211> 447
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007a11b1
<400> 2050

cggatttggg ttcctttaac aactaagggt cctgttttta acattttaaa gccaaagggt 60
tttgcccatc tccaatagct aacaagaact ctttcttttc ttacaaatc caaaaacctt 120
tactagactt tgtgtgcttc tttagcttac ttcacctaga gtcttctacc tttgcttatg 180

attgaatcaa cccgtgtttt tttttctttt aaacacatcc gaaccacag tgtaagcgcc 240
cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300
cgttacgaac ctaacacttt ctaccaagct taagggggaat aagacctcac aaacactcac 360
aagctatata gggcttgaaa gaaagcctag gtttgggttc ggggtaactg ctctaataag 420
gagagtcagc tacttggatt aaaaaga 447

<210> 2051
<211> 307
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007b01b1
<400> 2051

tcttcccgca cctagcaaat ggtaagccaa gaaagccaac tgacggcatt gcacatgatc 60
agacaaagaa atgctgctgc tgctattcaa ggagatcgat tctaacctca aagcgcccag 120
atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcatcc ggcgacttgt 240
cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgacct 300
tgcaaca 307

<210> 2052
<211> 582
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007b02b1
<400> 2052

actttgttac atctagcgga tttggatttc ttttaacaact aaggttcctg tttttaacat 60
tttaatgccaa agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcaccacc tagtctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcggt acgaacctaa cactttctac caagcttaat cggaataaga 360

cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
 taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aatgaataa 480
 gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataattaa 540
 agattagatt caggttcaca ctgataggga atggtatcag at 582

<210> 2053
 <211> 585
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007b05b1
 <400> 2053

tttgttacat ctagcggatt tggatttctt taacaactaa ggttcctggt tttaacattt 60
 taatgccaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
 aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
 taccttttct tatcattgaa tcaaccctt ttttttttct ttttaaacac atcccaaccc 240
 aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag aactacatga 300
 gacactatct ctgtcggttac gaacctaaca ctttctacca agcttaatcg gaataagacc 360
 tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gtttgggcta 420
 actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa atgaataaga 480
 aatccaagt attttacggg atccatgagt tcaaatttga tgcagacatg ataattaaag 540
 attagattca ggttcaaact gatagggaat ggtatcagat catga 585

<210> 2054
 <211> 267
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007b06b1
 <400> 2054

tcccgacact agcaaaggt cagccaagaa agccagctga cggcattgca catgatcgga 60
 caaagaaatg ctgctgctgc tattcagcga gatcgattct aacctcaaag cgccagatc 120
 ccaatgacga gctcgtggac gatgtccacc acgtagcaga cgcgccatgg gctcccgaa 180

gcgaaccccg acgacatggc ctggttcggt gtgccggcac tgcgatccgg cgacttggcc 240
cattcgacca tccagttatc gccctcc 267

<210> 2055
<211> 514
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl19316007b07b1

<400> 2055

gctaacactt tgtacatcta gcggatttgg atttctttaa caactaaggc tcctgttttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttttac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctgtg ccgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
tctgacctca catacactca caagttatat agggctagaa agaaagtcta ggtttggggt 420
agggttaact gctctgataa ggagagtcag ctacttggat taaagagagt gatcaaaatg 480
aataagaaaa tccaagtatt ttacggtatc catg 514

<210> 2056
<211> 446
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl19316007b09b1

<400> 2056

gtgacaggag aacattttat ggcgactgac atcatgtggg atcctactgg aagatttctc 60
gcgactgcag ttacctcggc tcatgagatg gaaaatgggt tccaaatttg gtccttcaat 120
gggaagctaa ttacaagat ttcaaaggat cacttctatc agttccaatg gcgcccaggg 180
ccaccatcac tacttactcc tgagaaggag gaggacatct caaagaacct caagcggtag 240
agcaagaagt atgaacaaga ggatctggac gtgtccaacc aggtgggtga gctagagcgc 300
aagagacgga cgcagcttca agaggaatgg caaggatggg tggccaagtg gaagcagctg 360

cacgaggagg agcgtgcata ccggatggag ctgagaggcg gggaggagag cgacaaggaa 420
gaagaggcgg agtacaagga gattga 446

<210> 2057
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b10b1

<400> 2057

tgttacatct agcggatttg gatttcttta acaactaagg ttctgtttt taacatttta 60
aagccaaggg cttttgccca tctccaatag ctgacaagaa ctctttcttt tctttacaaa 120
tcccaaaacc tttactagac tttttctgct tctttagctt acttcaccta gagtcttcta 180
ccttttctta tcattgaatc aaccctttt ttttttctt ttaaacacat cccaacccaa 240
agtataagcg ccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga 300
cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc 360
acaacactc acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac 420
tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat gaa 473

<210> 2058
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b11b1

<400> 2058

tcgtttatat acatttggac ctgataaagt ggctggattt cttgagaagc atgatttaga 60
cctcatctgc cgagcccacc aggtcgggtga ggatggcttc gagttctttg ctgatcgtca 120
gctagtaaca atattgtcgg cacctaatta ctgtggagaa ttcgataatg ctggtgccat 180
gatgagtgtg gacgagacgc tgatgtgctc cttccaaata ctcaaacctg caaggaaaat 240
gttgctggt tcaactaata acaagtctgg cttcaagtca atgagaggat ggtgacggtg 300
gcacggcgat tggtgagcaa gctgtggtct catttgcggtg caggcacgtg cctaccacga 360
gcg 363

<210> 2059
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007b12b1

<400> 2059

tcttcccgtta cctagcaaata ggtaagccaa gaaagccaac tgtcggcatt gca 53

<210> 2060
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c02b1

<400> 2060

cgacctcttc ccgcacctag caaatggtaa gccaaagaaag ccaactgacg gcattgcaca 60
tgagcagaca aagaaatgct gctgctgcta ttcagcgaga tcgattctaa cctcaaagcg 120
cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180
cccgaatgcg aaccccgctg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
cttgtcccat tcgaccatcc agttctcgcc ctctcgtcg gcgcttcaga gcttcgccgt 300
gacctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360
cctcgttctc gacgttgctc cccttcgct agacacggtg ttcgtcaacc tggagagcga 420
attgacaaaa cggtctggaga g 441

<210> 2061
<211> 526
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007c03b1

<400> 2061

cactttgtta catctagcgg atttgattt ctttaacaac taagggtcct gtttttaaca 60
ttttaatgcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacaatcccaa 240
 cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt ctggctctcg 420
 ggttaactgc tctaataagg agagtcagct acttgatta aaaagagtga tcaaatgaa 480
 taagaaaatc caagtatttt acggtatcca tgagttcaaa tttgat 526

<210> 2062
 <211> 362
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007c04b1
 <400> 2062

gttgttcgag gttgcaactg acaaatgcat catgggggtt ctgtttttga tagtttgtgg 60
 tgtgattgcc atcattgttg tcaagatcgt caaccgcat aacaagagca tcccagacat 120
 cccgggactg gcgcctcctg cacctcctgc gcagaaccgg aagctgctat ccgtagatcc 180
 ttccagaatg ctctgagcat tcgggaatgg aagtctcgtg ccatgcaggt ctctcgctct 240
 gaagccaaaa cacacgatgt caactgttcc attggtgctt gcttgatcat tataaccgta 300
 tgtaattttc ttgattggt tcattctttc cacactggct gctgttagct tcggattggt 360
 ag 362

<210> 2063
 <211> 618
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007c06b1
 <400> 2063

ctctaacgct caacactttg ttacatctag cggatttga tttctttaac aactaagggt 60
 cctgttttta acattttaat gccaaagggt ttgcccac tccaatagct aacaagaact 120
 ctttcttttc ttacaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
 ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240

aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
 aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttgggttt gggttaactg ctctaataag gagagtcagc tacttgata aaaagagtga 480
 tcaaaatgaa taagaaaatc caagtatattt acggtatcca tgagttcaaa tttgatgcag 540
 acatgataat taaagattag attcaggttc aaattgatag ggaatggat cagatcatga 600
 cagtgtggtc gagtagag 618

<210> 2064
 <211> 551
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007c07b1
 <400> 2064

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgttttta 60
 cattttaaag ccaagggctt ttgccatct ccaatagcta acaagaactc tttcttttct 120
 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt tttcttttta aacacatccc 240
 aacccaaagt ataagcgccc acctagtcct atctagtcg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggttaactgc tctaataagg agagtcagct acttgataa aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cggtatccat gagttcaaatt ttgatgcaga catgataatt 540
 aaagattaga t 551

<210> 2065
 <211> 553
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007c08b1
 <400> 2065

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaatgcc aagggtcttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tca 553

<210> 2066
 <211> 483
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007c10b1
 <400> 2066

cggatttggg tttctttaac aactaagggt cctgttttta acattttaat gccaaagggt 60
 ttgcccac tc caatagct aacaagaact ctttcttttc ttacaaatc ccaaaacctt 120
 tactagactt tttctgttc tttagcttac ttcacctaga gtcttctacc ttttcttacc 180
 attgaatcaa cccctttttt tttttttttt aaacacatcc caacccaaag tataagcgcc 240
 cacctagtcc tatctagtcc gaaaaatgag aactagaact acatgagaca ctatctctgt 300
 cggtacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360
 aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420
 gagagtcagc tacttggatt aaaaagagtg atcaaaatga ataagaaaat ccaagtattt 480
 tac 848

<210> 2067
 <211> 432
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d02b1

<400> 2067

cttatttttga gcacttggcc atggcggttca gcggcgccca gatgctcgct gccttcacca 60
tgggcttttct actcatggcc ttctgtgtgg aggctcgggt atgcatgtcc cctagcaagt 120
cgtacaaaag gagcccttgc aagaacgtgc gctgcaccgc ggctgtcac aaagaacact 180
tcaagggtgg gtactgtcc agtaagaagt caattgttgg cgatgacctc aacgaagaca 240
acgaggagaa cttctataag aaacgtccta agaaaaagac gtgcatgtgt acatatgaat 300
gcagtaaagc cccgccacca ccgtcagaac ctgatgtgcc agagccaccg ggtgaaccgc 360
tggtgccgga tcctcagaag aagccgccac cgccatatga acgtgacgtg ccggagccgc 420
ccttgggaga ac 432

<210> 2068

<211> 528

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d03b1

<400> 2068

tagaggcatt cgagcgatac tctgtcaaag cagaaaatat caccgttggt agtggtcctg 60
gcagctttga aattcctgtt gcagcacaga agcttgggaa gtctggaaag tatgatgcaa 120
ttttgtgcat tggggctgtg attagaggtg acacaacca ctatgatgct gttgcaaact 180
ctgctgcttc aggtgtactc aatgctggat tgtctgctgg cgtcccctgc gtatttggtg 240
ttctgacctg tgatgacatg gaccaggcgc taaatcgtgc tgggtggcaag gctggaaaca 300
aagggtgctga gaccgccata actgctattg agatggcctc gctgtttcgg catcacttag 360
cctgatgaca ccgaatgcta tggtcggcga gccagcaaga ttttctcccc tggtcgcggc 420
tatcggagtt tttccccac atttgtttta aaatttcttt tttattgctg caggctagtg 480
tttgacatgt cgtttctaaa ttattttggt ctgtacgtat gtactctg 528

<210> 2069

<211> 554

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d04b1

<400> 2069

cactttgtta catctagcgg atttgattt cttaacaac taaggttcct gtttttaaca 60
ttttaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgtgctctgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cggatccat gagtcaaatt ttgatgcaga catgataatt 540
aaagattaga ttca 554

<210> 2070

<211> 484

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d05b1

<400> 2070

cgacctcttc ccgcacctag caaatggtaa gccagaaag ccaactgacg gcattgcaca 60
tgagcagaca aagaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg 120
cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180
cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
cttgtcccat tcgaccatcc agttctcgcc ctctctgctg gcgcttcaga gtttcgccgt 300
gaccctgcaa cagggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360
ccttcgtctc gacgttgctc ccctccgct agacacggtg ttcgtcaacc tggagagcga 420
attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480
caat 484

<210> 2071
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d07b1

<400> 2071

acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60
attttatagc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaatgaat 480
aagaaaatcc aagtatttta cggtatccat gagttcaaat ttgatgcaga catgataatt 540
aaagattaga ttc 553

<210> 2072
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d10b1

<400> 2072

ggtggatttc atattaaaac ctactgctt gtttcctgaa accacaggtg ttgaacttat 60
ggggatacta tccactcatt ctaataggag catgggcatt cggcactatg aaccgtatcc 120
atgatttcat cgagccaggg cataagatct tctggctctc agttcttgac gttgggacag 180
ctgcactaat ggtagcaaac ctatcaaata aataagttat aaaattcgcc atagatcatc 240
tttgctcttc ccgagtcgat gttctgaatg ttgtattttc agggcttggt caattcaata 300
gcctatgggt tcaacagctc agggcgtcga gcaatccatg agagactgga gctgtaagtc 360
accaccgatc tctttggttt gctatattat tccaataat caatgaagct tgatttttat 420
gaaacccttg gtctgctaga ttcttgccag aacggctata tcgatggctt ccaagcaatt 480

tcagaccaaa aaaccatctg attctacatg agcaacaaca ac

522

<210> 2073
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007d12b1

<400> 2073

ttctccgacc tcttcccgca cctagcaaatt ggtaagccaa gaaagccaac tgacggcatt 60
gcacatgagc tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
ggcgacttgt ccatttcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tcttcgacgt tgctccccct ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaacgggt ggagagcggc gagggcacct tttacaagga ccatccgaca 480
agccccaatg ccaaggacgt tgccaacatg acgcccaggg agc 523

<210> 2074
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e04b1

<400> 2074

ttctccgacc tcttcccgca cctagcaaatt ggtaagccaa gaaagccaac tgacggcatt 60
gcacatgagc agacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
ggcgacttgt ccatttcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tcttcgacgt tgctccccct ccgctagaca cgggtgttcgt caacctggag 420

agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480
agccccaatg ccaaggacgt tgccaacatg acgcccgagg agc 523

<210> 2075
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e05b1

<400> 2075

gctaacactt tgttcatcta gcggatttgg atttctttaa caactaaggc tcctgttttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttttac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaaccctaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttggggt 420
tgggttaact gctctaataa ggagagtcag ctacttggat aaaaagagtg atcaaaatga 480
ataagaaaac caagtatttt acggtatgca tgagttcaaa tttgatgcac acatgataat 540
taaagattag attc 554

<210> 2076
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007e06b1

<400> 2076

cactttgtta catctagcgg atttgattt cttaacaac taaggttcct gtttttaaca 60
ttttaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtctggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgat 535

<210> 2077
<211> 351
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007e07b1
<400> 2077

tgttctccga cctcttcccg cacctagcgc atggtcagcc aagaaagcca actgacggca 60
ttgcatctat gagcagacaa agaaatgctg ctgctgctat tcaacgagat cgattctaac 120
ctcaaggcgc ccagatccca atgacgagct cgtcgacgat gtccaccacg ttgcagccgc 180
gccatgggcc ccgaatgcga acccgtcca catggcctgg tccgctgtgc cgccactgcg 240
atccggtgac ttgaccatt cgaccatgca gttctcgccc tcttcgccgg cgcttaacag 300
cttctccgtg accctgcaac aggtgggccc ttcgaagctg cccagccaca g 351

<210> 2078
<211> 568
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316007e08b1
<400> 2078

tgttctccga cctcttcccg cacctagcaa atggtaagcc aagaaagcca actgacggca 60
ttgcacatga tcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcgat 240
ccggcgactt gtccattcg accatccagt tctcgccctc ctcgtcggcg cttcagagct 300
tcgcccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480
 caagccccc aa tgccaaggac gttgccaaca tgacgcccga ggagcgtcta gccacggcgc 540
 tcagggcagc tctcagcacc ctcaagat 568

<210> 2079
 <211> 386
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007e10b1
 <400> 2079

ttacatctag cggatttga tttctttaac aactaaggct cctgttgta acattttaaa 60
 gccaaagggt tttgcccac tccaatagct aacaagaact ctttcttttc ttgacaaatc 120
 ccaaaacctt tactagactt tttgtgcttc tttagcttac ttcacctaga gtcttctacc 180
 ttttcttate attgaatcaa cccctttctt ttttctttt aaacacatcc caaccctaaag 240
 tatcagcgcc cacctagtcc tatatagctc gaaaaatgcg aactagaact acatgagaca 300
 ctatgtctgt cgttacgaac ctaacactct ataccaagct tactcggaat atgacctcac 360
 aaacactcac acgctatcta gggctt 386

<210> 2080
 <211> 392
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007e12b1
 <400> 2080

tctccgacct cttcccgac ctagcaaatg gtaagccaag aaagccaact gacggcattg 60
 cacatgagct gacaaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa 120
 agcgcccaga tccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat 180
 gggccccgaa tgcaaacccc gtcgacatgg cctgggtcgt tgtgccggtta ctgcatccg 240
 gcgacttgct ccattcgacc atccagttct cgcctctctc gtcggcgctt cagagcttcg 300
 ccgtgaccct gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg 360
 agatcctcgt cctcgacgtt gctccccctc cg 392

<210> 2081
 <211> 550
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316007f01b1

 <400> 2081

 actttgttac atctagcggg tttggatttc tttaacaact aaggttcctg tttttaacat 60
 tttaaagcca agggccttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
 taactgctct aataaggaga gtcagctact tggattaataa gagtgatcaa aatgaataag 480
 aaaatccaag tatttttacgg tatccatgag ttcaaatttg atgcagacat gataattaaa 540
 gattagattc 550

<210> 2082
 <211> 553
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316007f04b1

 <400> 2082

 cactttgtta catctagcgg atttgatttc ctttaacaac taaggttcct gtttttaaca 60
 ttttaaagcc aagggttttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 ccaaagtat aagcgccac ctagtcctat ctagtccgaa aatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420

ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatTTTtac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tca 553

<210> 2083
 <211> 566
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316007f07b1
 <400> 2083

gctctaacgc tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt 60
 tcttgttttt aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac 120
 tctttctttt ctttaciaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
 cttcacctag agtctttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
 taaacacatc ccaaccctaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300
 gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
 ttaatcgga taagacctca caaacactca caagttatat agggcttgaa agaaagtcta 420
 ggtttggggt tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt 480
 gatcaaatg aataagaaaa tccaagtatt ttacgggtatc catgagttca aatttgatgc 540
 agacatgata attaaagatt agattc 566

<210> 2084
 <211> 536
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316007f08b1
 <400> 2084

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaaagcc aagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgata 536

<210> 2085
 <211> 436
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007f10b1
 <400> 2085

ttacatctag cggatttgga tttctttaac aactaaggct cctgttggtta acattttaaa 60
 gccaaagggt tttgccatc tccaatagct gacaagaact ctttcttttc ttacaaatc 120
 ccaaaacctt tactagactt tttgtgcttc tttagcttac ttcacctaga gtcttctacc 180
 ttttcttattc attgaatcaa cccctttttt ttttctttt aaacacatcc caacccatag 240
 tataagcgcc cacctagccc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300
 ctatctctgt ggttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360
 aaacactcac aagctatata gggcttgaaa gaaagcctag gtttgggttc gggttaactg 420
 ctctaataag gagagt 436

<210> 2086
 <211> 336
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007f12b1
 <400> 2086

acactttggt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60
 attttaaagc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
 tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtcga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacact 336

<210> 2087
<211> 585
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g01b1

<400> 2087

actttgttac atctagcgga ttggatttc ttaacaact aggttcctg ttttaacat 60
tttaatgcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctaggctt gggtttggtt 420
taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480
gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgatcattaa 540
agattagatt caggttcaaa ttgataggga atggatcag atcat 585

<210> 2088
<211> 578
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g02b1

<400> 2088

actttgttca tctagcggat ttggatttct ttaacaacta aggttcctgt ttttaacatt 60
ttaatgcca gggcttttgc ccatctccaa tagctaaca gaactctttc ttttctttac 120
aaatcccaaa acctttacta gactttttct gcttctttag cttacttcac ctagagtctt 180
ctaccttttc ttatcattga atcaaccctt tttttttttt ctttttaaca catcccaacc 240
caaagtataa gcgccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300

agacactatc tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac 360
ctcaciaaaca ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttggggtt 420
aactgctcta ataaggagag tcagctactt ggattaaaag agtgatcaaa atgaataaga 480
aaatccaagt attttacggg atccatgagt tcaaatttga tgcagacatg ataattaaag 540
attagattca ggttcaaatt gatagggaat ggtatcag 578

<210> 2089
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g04b1

<400> 2089

cactttgtta catctagcgg atttgattt ctttaacaac taaggttcct gtttttaaca 60
ttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggtt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
aagattagat tca 553

<210> 2090
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g06b1

<400> 2090

actttgttca tctagcggat ttggatttct ttaacaacta aggttcctgt ttttaacatt 60
ttaagccaa gggcttttgc ccatctccag atagctaaca agaactcttt cttttcttta 120

caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtgggt acgaacctaa cactttgtac caagcttaat cggaataaga 360
cctcaciaaac actcacaagt tatatagggc ttgaaagaaa 400

<210> 2091
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007g08b1

<400> 2091

cactttgtta catctagcgg atttggtttt cttaacaac taaggttcct gtttttaaca 60
ttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtctat ctagtccgaa aatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcaciaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg ag 512

<210> 2092
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h01b1

<400> 2092

cgacctcttc ccgcacctag caaatggtaa gccaaagaa ccaactgacg gcattgcaca 60
tgagcagaca aagaaatgct gctgctgcta ttcagcgaga tcgattctaa cctcaaagcg 120
cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180

cccgaatgcg aaccccgteg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
 cttgtcccat tegaccatcc agttctcgcc ctctctcgteg gcgcttcaga gcttcgccgt 300
 gaccctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360
 cctcgatctc gacgttgctc cccttcgct agacacgggtg ttcgtcaacc tggagagcga 420
 atcgacaaaa cggttgagaga gggcgaggg caccttttac aaggaccatc cgacaagccc 480
 caatgccaa gacgttgcca acatgacgcc cgaggagc 518

<210> 2093
 <211> 577
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h02b1

<400> 2093
 cactttgtac atctagcgga tttggatttc tttaacaact aaggttcctg tttttaacat 60
 tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcggccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt ggggtctgggt 420
 taactgctct aataaggaga gtcagctact tggattaaaa gagtgatcaa aatgaataag 480
 aaaatccaag tattttacgg tattcatgag ttcaaatttg atgcagacat gataattaaa 540
 gattagattc aggttcaa at tgataggga tggtatc 577

<210> 2094
 <211> 554
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h04b1

<400> 2094
 cgacctcttc ccgcacctag caaatggtaa gccaaagaa ccaactgacg gcattgcaca 60

tgagcagaca aagaaatgct gctgctgcta ttcaaggaga tcgattctaa cctcaaggcg 120
 cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180
 cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
 cttgtcccat tcgaccatcc agttctcgcc ctctctgctg gcgcttcaga gtttcgccgt 300
 gaccctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360
 cctcgctctc gacgttgctc cccttcgct agacacgggtg ttcgtcaacc tggagagcga 420
 attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480
 caatgccaaag gacgttgcca acatgacgcc cgaggagcgt ctagccacgg cgctcagggc 540
 agctctcagc accc 554

<210> 2095
 <211> 553
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316007h05b1
 <400> 2095

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaaagcc aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaadc tgatgcagac atgataatta 540
 aagattagat tca 553

<210> 2096
 <211> 552
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h06b1

<400> 2096

actttgttac atctagcgga tttggatttc tttacaact aaggttcctg tttttaacat 60
tttaatgcc aaggcctttg cccatctcca gatagctaac aagaactcct tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtcgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttgta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatgcatg agttcaaatt tgatgcagac atgataatta 540
aagattagat tc 552

<210> 2097

<211> 490

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316007h08b1

<400> 2097

cttgaagaga aaggttgatg ctggcgctga cggtatagtc actcagcttt tctatgatac 60
cgatatcttt ctcaagtttg tgaacgactg ccgtcaaatt ggtataacat gccctattgt 120
tcctggcata atgccaataa ataactacaa aggatttggt cgcagactg gattctgcaa 180
aactaagatt ccagctgaga ttactgctgc cttggatcct attaaagaca atgaggaggc 240
tgtgaaagca tatggaatcc accttggtac tgagatgtgc aagaaaattt tggctagtgg 300
gatcaagact ttgcaccttt acacactaaa catggaaaag actgcttttag caattttgat 360
gaatcttga ttaatagagg agtccaagct ttcaagaaca ttaccttga ggctccaac 420
taatgttttc cgtgtcaaag aagatgttcg ccctatattc tgggccaaca gaccaaagag 480
ttacatctca 490

<210> 2098
 <211> 479
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h09b1

<400> 2098

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cactttgtta catctagcgg atttggaattt cttaacaac taagggtcct gtttttaaca 60
ttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg ctcgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaat 479
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<210> 2099
 <211> 422
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316007h11b1

<400> 2099

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agggtttttg cccatctcca atagctgaca agaactcttt cttttcttta caaatgccaa 120
aacctttact agactttgtg tgcttgttta gcttacttca cctagagggt tctacctttt 180
cttatgattg aatcaaccgg tttttttttt tcttgtaaac acatcccaac ccataggata 240
agcgccacc tagtctatc tagtccgcag aatgcgaact agaactacat gagacactat 300
ctgtgtgggt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaac 360
actcacatgc tatatagggc ttgaaagaaa gtctaggttt ggggttcgggt taactgctct 420
aa 422
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<210> 2100
 <211> 481

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316007h12b1
 <400> 2100
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 tgacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag 120
 atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga 180
 atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc ggcgacttgt 240
 cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc 300
 tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360
 tcctcgacgt tgctcccctt ccgctagaca cgggtgttcgt caacctggag agcgaattga 420
 caaaacggct ggagagcggc gagggcacct ttacaagga ccatccgaca agccccaatg 480
 c 481

<210> 2101
 <211> 403
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316009a05b1
 <400> 2101
 cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 ccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agt 403

<210> 2102
 <211> 403
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316009b01b1

<400> 2102

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
ttttaaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agt 403

<210> 2103

<211> 307

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b02b1

<400> 2103

actttgttac atctagcgga tttggatttc ttttaacaact aaggttcctg tttttaacat 60
tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtctatc tagtccgaaa aatgcgaact agaactacat 300
gagacac 307

<210> 2104

<211> 515

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b06b1

<400> 2104

gtgttctccg acctcttccc gcacctagca aatggtaagc caagaaagcc aactgacggc 60
attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120

tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
ccatggggccc cgaatgcgaa ccccgctcgac atggcctggg ccgttggtgcc ggtactgcga 240
tccggcgact tgtcccatc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360
attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtaacctg 420
gagagcgaat tgacaaaacg gctggagagc ggcgaggga ccttttataa ggaccatccg 480
acaagcccca atgccaagga cgttgccaac atgac 515

<210> 2105
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c01b1

<400> 2105

tcgttcctcg ggctcctcga cggggtcctg ctcccgtctt ggaggcgggt gaccggccac 60
acgccgacgc cgctgcagtg cgtgggcgcg ggccaggcgc tcaccgtgct gagcatggcc 120
gcgtcgtccc tcgtggagcg cgagcgcacc gccaccgtgc gcgcgcacgg tcaggagggc 180
gatccggcgt ggggtgctgcc gctgtcggcc atgtggctgg tgctgccgtt cgccgtggcc 240
ggggccgggg aggcgctgca ctttcggcg cagggtgacgc tgtactacca ggagttcccg 300
ccgtcgtcga agaacacggc cacgggcatg atggccatga tcgtcgcgct ggggttctac 360
ctgagca 367

<210> 2106
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c02b1

<400> 2106

ctcttcccgc acctagcaaa tggttaagcca tgaaagccaa ctgacggcat tgcacttgag 60
cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca 120
gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180

aatgcgaacc cgcgcgacat ggccctgggtcc gttgtgcccgg tactgcgacg cggcgacttg 240
 tcccattcga ccatccagtt ctgcgcctcc tcgtcggcgc ttcagagctt cgccgtgacc 300
 ctgcaaca 308

<210> 2107
 <211> 547
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c06b1

<400> 2107

gctcaacact ttgttacatc tagcggattt ggatttcttt aacaactaag gttcctgttt 60
 ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120
 ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
 agagtcttct accttttctt atcattgaat caaccctttt ttttttttct tttaaacaca 240
 tccaaccca aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
 actacatgag aactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg 360
 aataagacct cacaacact cacaagttat atagggcttg aaagaaagtc taggtttggg 420
 tttgggttaa ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480
 tgaataagaa aatccaagta ttttacggtt tccatgagtt caaatttgat gcagacatga 540
 taattaa 547

<210> 2108
 <211> 466
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009d03b1

<400> 2108

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 attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
 tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
 ccatgggccc cgaatgcgaa ccccgctgac atggcctggg ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccatc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
 ttcgccgtga ccctgcaaca ggtggccctc tcgaagctgt ccagccacag ccgcagcggc 360
 attgagatcc tcgtcctcga cgttgctccc ctcccgctag acacggtgtt tgtcaacctg 420
 gagagcgaat tgacaaaacg gctggagagc ggcgagggca cctttt 466

<210> 2109
 <211> 493
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009d05b1

<400> 2109

agctcaacac tttgttacat ctacgggatt tggatttctt taacaactaa ggttcctgtt 60
 tttaacattt taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct 120
 tttctttaca aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc 180
 tagagtcttc taccttttct tatcattgaa tcaaccctt ttttttttct ttttaaacac 240
 atcccaaccc aaagtataag cgccaccta gtcctatcta gtccgaaaaa tgcgaactag 300
 aactacatga gacactatct ctgtcggttac gaacctaa ctttctacca agcttaatcg 360
 gaataagacc tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg 420
 gtttggttta actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa 480
 atgaataaga aaa 493

<210> 2110
 <211> 475
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009d06b1

<400> 2110

gtgttctccg acctcttccc gcacctagca aatggtaagc caagaaagcc aactgacggc 60
 attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
 tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
 ccatggggcc cgaatgcgaa ccccgctgac atggcctggt ccgttgtgcc ggtactgcga 240

tccggcgact tgtcccatc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
 ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360
 attgagatcc tcgtcctoga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420
 gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttataa ggacc 475

<210> 2111
 <211> 552
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009e01b1

<400> 2111

cactttgtta catctagcgg atttgattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagactttt ctgcttctt agcttacttc acctagagtc 180
 ttctacctt tcttatcatt gaatcaacc ctttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtctat ctagtccga aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacct acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggct tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tc 552

<210> 2112
 <211> 476
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009e03b1

<400> 2112

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 attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
 tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180

ccatgggccc cgaatgcgaa ccccgctcgac atggcctggt ccgttggtgcc ggtactgcga 240
 tccggcgact tgtcccatc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
 ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360
 attgagatcc tcgtcctcga cgttgctccc ctcccgctag acacggtgtt cgtcaacctg 420
 gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttataa ggacca 476

<210> 2113
 <211> 486
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009f01b1

<400> 2113

ccgacctctt cccgcaccta gcaaattggt agccaagaaa gccaaactgac ggcattgcac 60
 atgagcttac aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120
 gccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgacgac gcgccatggg 180
 ccccgaaatgc gaaccccgtc gacatggcct ggtccgttgt gccggtactg cgatccggcg 240
 acttgtecca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccg 300
 tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc ggcattgaga 360
 tcctcgctct cgacgttgct cccctttcgc tagacacggt gttcgtcaac ctggagagcg 420
 aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat ccgacaagcc 480
 ccaatg 486

<210> 2114
 <211> 337
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009f04b1

<400> 2114

tcgcccacgc gttcgggtcaa actgggtctg atgtcttgct ttgacaaggc tgctgtttct 60
 ggactgcata accagtcaat cgtgaatgct gtcattgacg gcgatgacat catatacaga 120
 gactatgtcg acgttagtgt agctgctggc acatccaagg gtcttggtgt gccggttatt 180

cctgcaacag gtggccccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct 360
 cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt 420
 gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 463

<210> 2117
 <211> 404
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h04b1

<400> 2117

tcgggaattt gttaagacaa ttgatccaca gttatccaat tatgacgaag aagggtgcttg 60
 gccctaccta attgatgaat ttgtggagta cctaaccgag aatggatgcg ttcagcgtaa 120
 caagtgaacc attcgaggct gcattctgac ttggatatca tgatttggtg gtacaaacat 180
 gattcatgtc gatcaataga atatttatct ttggatgtcg gcattgttcc agtccccctt 240
 cacaaagcag atgatgtcgt ttggcggaat ctacttgccg aggggtgatt tcaactggcta 300
 ggattgcaaa ctatctatct ggtttgtatt ttgtgtgca cctatctgct acagcatacc 360
 caaaatagtt attggtttac tgctgaatgg gcgatgggtc tata 404

<210> 2118
 <211> 515
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h05b1

<400> 2118

gtgttctccg acctcttccc gcacctagca aatggtaagc caagaaagcc aactgacggc 60
 attgcacatg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
 tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
 ccatggggccc cgaatgcgaa ccccgctcgac atggcctggt ccgttgtgcc ggtactgcga 240
 tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
 ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360
 attgagatcc tcgtcctcga cgttgctccc ctccgctag acacggtgtt cgtcaacctg 420

gagagcgaat tgacaaaacg gctggagagc ggcgagggca cctttttacaa ggaccatccg 480
acaagcccca atgccaagga cgttgccaac atgac 515

<210> 2119
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010a08b1

<400> 2119

gatttcttta acaactaagg ttctgtttt taacattttt atgccaaggg cttttgcca 60
tctccagtag gtaacatgaa ctctttcttt tctttacaaa tcccaaaacc ttactagac 120
tttttctgct tcttttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180
aacccttttt tttttttctt ttaaacacat cccaaccaa agtataagcg cccacctagt 240
cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300
acctaacact ttctaccaag cttaatcgga ataagacctc acaaactc acaagttata 360
tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata aggagagtca 420
gctacttga ttaaaagagt gatcaaatg aata 454

<210> 2120
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010a10b1

<400> 2120

ggatttggat ttctttaaca actaagggtc ctgtttttaa catttttaag ccaagggtt 60
ttgcccattc ccaatagcta acatgaactc tttcttttct ttacaaatcc caaaccttt 120
actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct tttcttatca 180
ttgaatcaac cccttttttt ttttctttta aacacatccc aacccaaagt ataagcgccc 240
acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac tatctctgtc 300
gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca aacactcaca 360
agttatatag ggcttgaaag aaagtcta 388

<210> 2121
 <211> 357
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010a11b1

<400> 2121

ttatcatttt cccttccgat gcagaaagga tttctgtctc agaagcacga aagatgaatg 60
 aggttggttca tactcaagca aagatcatag cagatcaaga tgtgatgtat aagtatttat 120
 caaagaactt aatttttggt gctacgggtgt ctctaaagc tgctgggtgaa attggatccg 180
 cggcacctga agaagcttca ctagtggcat atctcattga tgctgtcagc ggacgcatac 240
 tacaccgtgt gacccatcat ggtgcacaag gccctgtaca tgccgttgct agcgagactg 300
 gggttgtcta tcattatttc aacctccgag cccacagatt tgaaattgca gtgattg 357

<210> 2122
 <211> 450
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b01b1

<400> 2122

ggatttcttt acaactaagg ttctgtttt taacattttt tgttcaaggg cttttgccca 60
 tctccaatag ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc ttactagac 120
 tttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180
 aaccctttt tttttttctt ttaaacacat cccaaccaa agtataagcg cccacctagt 240
 cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300
 acctaacact ttctaccaag cttaatcgga ataagacctc acaaactc acaagttata 360
 tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata aggagagtca 420
 gctacttgga ttaaaagagt gatcaaaatg 450

<210> 2123
 <211> 408
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b02b1

<400> 2123

atggttaagcc aagaaagcca actgacggca ttgcacatgt tcttaciaag aaatgctgct . 60
gctgctattc aacgagatcg attctaacct caaagcgccc agatcccaat gacgagctcg 120
tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca 180
tggcctggtc cgttgtgccg gtactgcgat ccggcgactt gtcccattcg accatccagt 240
tctcgccctc ctcgtcggcg cttcagagct tcgccgtgac cctgcaacag gtggccctt 300
cgaagctgtc cagccacagc cgcagcggca ttgagatcct cgtcctcgac gttgctcccc 360
ttccgctaga cacggtgttc gtcaacctgg agagcgaatt gacaaaac 408

<210> 2124

<211> 452

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b03b1

<400> 2124

ggatttcttt acaactaagg ttctgtttt taacattttt tgttcaaggg cttttgcca 60
tctccaatag ctaacaagaa ctctttcttt tctttacaaa tcccaaaacc ttactagac 120
tttttctgct tctttagctt acttcaccta gagtcttcta ctttttctta tcattgaatc 180
aacccttttt tttttttctt ttaaacacat cccaaccaa agtataagcg cccacctagt 240
cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300
acctaact ttctaccaag cttaatcgga ataagacctc acaaactc acaagttata 360
tagggcttga aagaaagtct aggtttgggt ttgggttaac tgctctaata aggagagtca 420
gctacttga ttaaaaagag gtgatcaaaa tg 452

<210> 2125

<211> 449

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010b07b1

<400> 2125

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 acgatatcga ttctaacctc aatgcgccca gatcccaatg acgagctcgt tgacgatttt 120
 caccacgttg cagtcgcgcc atgggccccg aatgctaacc ccgtcgacat ggcttgggtcc 180
 gttgtgccgg tactgcgac cggcgacttg tccattcga ccatccagtt ctgcacctcc 240
 tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc 300
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 acggtgttcg tcaacctgga gagcgaattg acaa 394

<210> 2128
 <211> 341
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010c01b1

<400> 2128

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 tctgtcggat tcgttcccgt acaggagct ggagaacggc gtgctctggg aagtcgacgg 120
 ccattgggtc gttcaaggag cagttgatgt ggacattgga gccaatccct ctgctgaggg 180
 tgggtggtgat gatgaggggtg tcgatgacca ggccgagaag gtggttgaca ttgttgacac 240
 cttccgtctt caggagcaac ctgcttttga caagaagcag tttatctctc acatgaagcg 300
 ctacatcaag aacctctctg ccaagcttga aggggatgac c 341

<210> 2129
 <211> 349
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010c05b1

<400> 2129

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 gagatcgatt ctaacctcaa agtgcccaga tcccaatgac gagctcgtcg acgatgtcca 120
 ccacgttgca gtcgcgccat gggccccgaa tgogaacccc gtcgacatgg cctgggtccgt 180
 tgtgccggta ctgcgatccg gcgacttgct ccattcgacc atccagttct cgccctctc 240

gtcggcgctt cagagcttcg ccgtgaccct gcaacaggtg gccccttcga agctgtccag 300
ccacagccgc agcggcattg agatcctcgt actcgacgtt gctcccctt 349

<210> 2130
<211> 423
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316010c11b1

<400> 2130

aagaaagcca actgacggca ttgcacttgt gcagacaaag aaatgctgct gctgctattg 60
aacgtgatcg attctaacct cattgcgccc agatcccaat gacgagctcg tcgacgatgg 120
ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc 180
cgttgtgccg gtactgcgat cgggcgactt gtcccattcg accatccagt tctcgccctc 240
ctcgtcggcg cttcagagct tcgctgtgac cctgcaacag gtggccctt cgaagctgtc 300
cagccacagc cgcagtgga ttgagatcct cgttctcgac gttgctaccc ttccgctaga 360
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<210> 2131
<211> 428
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316010c12b1

<400> 2131

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ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc 180
cgttgtgccg gtactgcgat cgggcgactt gtcccattcg accatccagt tctcgccctc 240
ctcgtcggcg cttcagagct tcgccgtgac cctgcaacag gtggccctt cgaagctgtc 300
cagccacagc cgcagcggca ttgagatcct cgttctcgac gttgctcccc ttccgctaga 360
cacggtgttc gtcaacctgg agagcgaatt gacaaaacgg ttggagagcg gcgagggcac 420

cttttttac

428

<210> 2132
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010d01b1

<400> 2132

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acgttgacgt cgcgccatgg gccccgaatg cgaaccccggt tgacatggcc tggttcgttg 180
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cggcgcttca gagcttcgcc gtgaccctgc aacaggtgg 279

<210> 2133
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010d03b1

<400> 2133

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ccacgttgca gtcgcccatt gggccccgaa tgcgaacccc gtcgacatgg cctgggtccgt 180
tgtgcccgtg ctgcatccg gcgacttgct ccattcgacc atccagttct cgccctcctc 240
gtcggcgctt cagagcttcg ccgtgacct gcaacaggtg gccccttcga agctgttcag 300
ccacagccgc agcggcattg agatccttgt cctcgacgtt gctccccttc cgctagacac 360
ggtgttcgtc aacctggaga gcgaattgac aaaa 394

<210> 2134
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010d08b1

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 cgagctcgtc gacgatgtcc accacgttgc agtcgcgccca tgggccccga atgcgaaccc 180
 cgtcgacatg gcttgggtccg ttgtgccggt actgcgatcc ggcgacttgt cccattcgac 240
 catccagttc tcgccctcct cgtcggcgct tcagagcttc gccgtgaccc tgcaacaggt 300
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 <211> 404
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316010e03b1
 <400> 2137

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 gactttttct gcttcttttag cttacttcac ctagagtctt ctaccttttc ttatcattga 180
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 agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc tctgtcggtta 300
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 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316010e08b1
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 acctttacta gactttttct gcttcttttag cttacttcac ctagagtctt ctaccttttc 180
 ttatcattga atcaaccctt tttttttttt cttttaaaca catcccaacc caaagtataa 240

gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300
tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360
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<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316010e09b1
<400> 2139

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caccacgttg cagtcgcgcc atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc 180
gttgtgccgg tactgcgac cggcgacttg tccattcga ccatccagtt ctcgccctcc 240
tcgtcggcgc ttcagagctt tgccgtgacc ctgcaacagg tggccccctc gaagctgtcc 300
agccacagcc gcagcggcat tgagatcctc gtctcgcagc ttgctcccct tccgctagac 360
acggtgttcg tcaacctgga gagcgaat 388

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<211> 390
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316010e10b1
<400> 2140

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caccacgttg cagtcgcgcc atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc 180
gttgtgccgg tactgcgac cggcgacttg tccattcga ccatccagtt ctcgccctcc 240
tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc 300
agccacagcc gcagcggcat tgagatcctc gtctcgcagc ttgctcccct tccgctagac 360
acggtgttcg tcaacctgga gagcgaattg 390

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<210> 2141
 <211> 563
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010e11b1

<400> 2141

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ctttttctgc ttcttttagct tacttcacct agagtcttct accttttctt atcattgaat 180
caaccccttt ttttttttct tttaaacaca tccaaccca aagtataagc gcccacctag 240
tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctc tgtcggttacg 300
aacctaacac tttctaccaa gcttaatcgg aataagacct cacaacact cacaagttat 360
atagggcttg aaagaaagtc taggtttggg tttgggttaa ctgctctaaa aggagagtca 420
gctacttgga ttaaaagagt gatcaaatg aataagaaaa tccaagtatt ttacggtatt 480
catgagttca aatttgatgc agacatgata attaaagatt agattcaggt tcaaattgat 540
agggaatggt atcagatcat gac 563

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 <211> 213
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 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f02b1

<400> 2142

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gccatggggc ccgaatgcga acccgcgcga catggcctgg tccgttgtgc cggtactgcg 180
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 <211> 432
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f04b1

<400> 2143

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accacgttgc agtcgcgcca tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg 180
ttgtgccggt actgcgatcc ggcgacttgt cccattcgac catccagttc tcgcccctct 240
cgtcggcgct tcagagcttc gccgtgacct tgcaacaggt ggccccttcg aagctgtcca 300
gccacagccg cagcggcatt gagatcctcg tcctcgacgt tgctcccctt ccgctagaca 360
cggtgttcgt caacctggag agcgaattga caaacggct ggagagcggc gagggcacct 420
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<210> 2144

<211> 248

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f05b1

<400> 2144

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gaaccctgtc gacatggtct ggtccgttgt gccggtactg cgatccggcg acttgtccca 180
ttcgaccatt cagttctcgc cctactcgtc ggcgcttcag agcttcgccg tgaccctgca 240
acaggtgg 248

<210> 2145

<211> 378

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f06b1

<400> 2145

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gatcccggcg agcgagatgg ccaacccgag ggtgttcttc gacatgaccg tcggcggcgc 120

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 <212> DNA
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<223> Clone ID: uC-tsfl9316010f10b1

<400> 2148

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 aagatactta tggctctcag ttcttgacga tgggacagct gcacttatgg gagcaaacct 180
 atcaaataaa taagttataa aattcgccat agatcatctt tgctcttccc gagacgatgt 240
 tctgaatggt gtatttttcag ggcttggtca attcaatagc ctatggtttc aacagctcaa 300
 tgcgtcgagc aatccatgag agac 324

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 <211> 516
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010f11b1

<400> 2149

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 tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttacc 180
 attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag tataagcgcc 240
 cacctagtcc tatctagtcc gaaaaatgag aactagaact acatgagaca ctatctctgt 300
 cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360
 aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataagg 420
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 <211> 395
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010g03b1

<400> 2150

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tttttctgct tcttttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180
aacccttttt tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt 240
cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300
acctaacact ttctaccaag cttaatcgga ataagacctc acaaactc acaagttata 360
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<210> 2151

<211> 440

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316010g04b1

<400> 2151

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tcttttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc aacccttttt 180
tttttttctt ttaaacacat cccaacccaa agtataagcg cccacctagt cctatctagt 240
ccgaaaaatg cgaactagaa ctacatgaga cactatctct gtcgttacga acctaacact 300
ttctaccaag cttaatcgga ataagacctc acaaactc acaagttata tagggcttga 360
aagaaagtct aggtttgggt ttgggttaac tgctctaaaa ggagagtcag ctacttgat 420
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<210> 2152

<211> 391

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316010g06b1

<400> 2152

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ttctgcttct ttagcttact tcacctagag tcttctacct tttcttatca ttgaatcaac 180

cccttttttt ttttctttta aacacatccc aacccaaagt ataagcgccc acctagtcct 240

atctagtccg aaaaatgcca actagaacta catgagacac tatctctgtc gttacgaacc 300

taacactttc taccaagctt aatcggaata agacctcaca aacactcaca ngttatatag 360

ggcttgaaag aaagtctagg tatgggtttg g 391

<210> 2153

<211> 468

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316010g10b1

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tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttacc 180

attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag tataagcgcc 240

cacctagtcc tatctagtcc gaaaaatgca aactagaact acatgagaca ctatctctgt 300

cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360

aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420

gagagtcagc tacttggatt aaaagagtga tcaaatgaa taagaaaa 468

<210> 2154

<211> 445

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316010g11b1

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 acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg aatgcgaacc 180
 ccgtcgacat ggcttggtcc gttgtgccgg tactgcgac cggcgacttg tcccattcga 240
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 <211> 305
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 <223> Clone ID: uC-tsfl9316010h01b1
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 ccacgttgca gtcgcgccat gggccccgaa tgcaaccccc gtcgacatgg cctgggtccgt 180
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 ccaca 305

<210> 2156
 <211> 243
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316010h02b1
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 aagcgcccac ctagtccctat ctagttcgaa caatgcgaac tagaacgaca tgagacacta 180
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<210> 2157
 <211> 387
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316010h05b1
 <400> 2157

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 ttttctgctt ctttagctta cttcacctag agtcttctac cttttcttat cattgaatca 180
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<210> 2158
 <211> 381
 <212> DNA
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 <223> Clone ID: uC-tsfl9316010h06b1
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 caaccctttt ttttttttct tttaaacaca tcccaacca aagtataagc gccacctag 240
 tcctatctag tccgaaaaat gcgaactaga actacatgag acactatctc tgctggtacg 300
 aacctaacac tttctaccaa gcttaatcgg aataagacct cacaacact cacaagttat 360
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 <212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316010h10b1

<400> 2159

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tagacttttt ctgcttctnt agcttacttc acctagagtc ttctaccttt tcttatcatt 180

gaatcaaccc cttttttttt ttctttttaa cacatcccaa cccaaagtat aagcgccac 240

ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctctgtcgt 300

tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 360

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<223> Clone ID: uC-tsfl9316010h12b1

<400> 2160

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gtcgacgatg tccaccacgt tgcagtcgcg ccatgggccc cgaatgcgaa ccccgctcgac 180

atggcctggt ccgttgtgcc ggtactgcga tccggcgact tgtccattc gaccatccag 240

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<223> Clone ID: uC-tsfl9316018a07b1

<400> 2161

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
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ccaacccaaa gtataagcgc ccacct 266

<210> 2162
<211> 405
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316018a08b1
<400> 2162

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<210> 2163
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<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316018a10b1
<400> 2163

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aaggcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgcccg tactgcgatc 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggcccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtccctcgacg ttgctccccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg acca 474

<210> 2164
<211> 369
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316018a11b1
<400> 2164

gctgcgtagg ctccctatggg gcccaagggc ttcattccgcg aggaagccgg gaagatactc 60
accgcatacc tgaagggccg tccagcattc gaggctgacg accagtctgc gttgatacac 120
ctcttgctct cgcagaagga gaagtggatg gacaaggtgt atatagagaa ttcatactac 180
ttgcacgggt tctgggctgg gctgggtggac aagtacgagg agatgatgga gaaccacat 240
ccagggcttg gggatgagcg gtggccattt gtgacacact ttgttgggtg caagccatgc 300
ggaagctatg gtgattaccc agtagaccgg tgtctcaaga gtatggagcg agcatttaat 360
tttgccgat 369

<210> 2165
<211> 503
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316018a12b1
<400> 2165

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tccgtgtttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta gggttgggtt 420

tgggttaact gctctaataa ggagagtcag ctacttggat aaaaagagtg atcaaaatga 480
ataagaaaat ccaagtattt tac 503

<210> 2166
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018b07b1

<400> 2166

gcccattctcc aatagctgac aagaactctt tcttttcttg tggaatccca aaacctttac 60
tagactattt ctgcttcttt agcttacttc tcccactgcc ttctaccttt tcttatcatt 120
gaaacaaccc cttttttttt ttctttttta caccatccca cccaaagtat aagcgccac 180
ctagtcctat ctagtccgaa aaatgcgaac taaaactaca tgagacacta tctctgtcgt 240
tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 300
t 301

<210> 2167
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018b08b1

<400> 2167

gttctccgac ctcttcccgac acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgacacatgag ttgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcctggtcc gttgtgccgg tactgcgac 240
cggcgacttg tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctctgacg ttgtctccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg ac 472

<210> 2168
 <211> 246
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316018c07b1
 <400> 2168
 ctccgacctc ttcccgacc tagcaaattg taagccaaga aagccaactg acggcattgc 60
 acatgagctg acaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa 120
 gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgcag tcgcgccatg 180
 ggcccctaatt gcgaaccccg tcgacatggc ctgggtccgtt gtgccggtac tgcgatccgg 240
 cgactt 246

<210> 2169
 <211> 526
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316018c08b1
 <400> 2169
 tcaacacttt gttacatcta gcggatttgg atttcttta caactaaggt tcctgttttt 60
 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttaciaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt tttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaactt tctaccaagc ttaatcgaa 360
 taagacctca caaactca caagttatat agggcttgaa agaaagtcta ggtttggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttg 526

<210> 2170
 <211> 468
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316018d12b1

<400> 2170

tccgactctc ttcccgacc tagcaaagg taagccaaga aagccaactg acggcattgc 60

acatgagttt caaagaaatg ctgctgctgc tattcaacga gatcgattct aacctcaaag 120

cgcccagatc ccaatgacga gctcgctgac gatgtccacc acgttgacgt cgcgccatgg 180

gccccgaatg cgaaccccggt cgacatggcc tgggtccgttg tgccgggtact gcgatccggc 240

gacttgctcc attcgaccat ccagttctcg cctcctcgt cggcgcttca gagcttcgcc 300

gtgaccctgc aacaggtggc cccttcgaag ctgtccagcc acagccgcag cggcattgag 360

atcctcgtcc tcgacgttgc tccccttcgg ctagacacgg tgttcgtcaa cctggagagc 420

gaattgacaa aacggctgga gagcggcgag ggcacctttt acaaggac 468

<210> 2171

<211> 405

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e07b1

<400> 2171

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60

ttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240

cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaag ttatataggg cttgaaagaa agtct 405

<210> 2172

<211> 295

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e08b1

<400> 2172

ctccgacctc ttcccgacc tagcaaagg taagccaaga aagccaactg acggcattgc 60

acatgagcag tcaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa 120
 gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgacg tcgcgccatg 180
 ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccggtac tgcgatccgg 240
 cgacttgccc cattcgacca tccagttctc gccctcctcg tcggcgcttc agagc 295

<210> 2173
 <211> 383
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316018e09b1
 <400> 2173

ggatttggat ttctttaaca actaagggtc ctgcttttaa cattgtaaag cctaggggctt 60
 ttgcccattc ccaatagcta acaagaactc tttcttttct ttacaaatcc caaaaccttt 120
 actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct tttcttatca 180
 ttgaatcaac cccttttttt ttttctttta aacacatccc aacccaatgt ataagcgccc 240
 acctagtcct atctagtcgg aaaaatgcga actagaacta catgagacac tatctctgtc 300
 gttacgaacc taacactttc taccaagctt aatcggaata tgacctcaca aacactcaca 360
 agttatatag ggcttgaaag aaa 383

<210> 2174
 <211> 441
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316018e11b1
 <400> 2174

cactttgtta catctagcgg atttggattt cttaacaac taagggtcct gtttttaaca 60
 ttttaaagcc aagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctc acactttcta ccaagcttaa tcggaataag 360

acctcacaaa cactcacaaag ttatataggg ctggaagaa agtctaggtt tgggtttggg 420
ttaactgctc taataaggag a 441

<210> 2175
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e12b1

<400> 2175

gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atggggcccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgac 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggcccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctcgacg ttgtccct tccgctaaca cgggtgtcgt caacctggag 420
agcgaattga caaacggct ggagagcggc gagggcacct tttacaagga c 471

<210> 2176
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018f11b1

<400> 2176

gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atggggcccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgac 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggcccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctcgacg ttgtccct tccgtagac acgggtgtcgt tcaacctgga 420

gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg ac

472

<210> 2177

<211> 473

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018f12b1

<400> 2177

gttctccgac ctcttcccg c acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgcgcc 180

atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgatc 240

cggcgacttg tccattcga ccatccagtt ctgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtcctcgacg ttgctccct tccgctagac acgggtgttc gtcaacctgg 420

agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gac 473

<210> 2178

<211> 102

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018g07b1

<400> 2178

gttctccgac ctcttcccg c acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60

tgcacatggt cttacaaaga aatgctgctg ctggtattca ac 102

<210> 2179

<211> 501

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018g09b1

<400> 2179

cactttgtta catctagcgg atttggttt ctttaacaac taagggttcct gtttttaaca 60

tttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac g 501

<210> 2180
 <211> 246
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316018h08b1
 <400> 2180

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60
 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tcttttcttt 120
 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacc 246

<210> 2181
 <211> 169
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316018h10b1
 <400> 2181

gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
 tgcacatgtg ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgtt 169

<210> 2182
 <211> 433
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018h12b1

<400> 2182

tggcagtttt acacgtacat gattcttatt tcagaaacaa ccaccctga aatcaacatg 60
 agatggttcc ttgacaccgc tggactgaag aagtcgagcg cctacctgat caatggtatt 120
 ttgatatttg ttgtatggct ggcggcaagg atatttttgt tcctgtatgt attttaccac 180
 atctatttgc actacagcca gataatgaag atgcacgcat ttggttatta cctgacactg 240
 accgtgccgt cgggtgctctt tgtcatgaac gcaatgtggt ttacgaagat ttgaaaggg 300
 gtaatgaaaa cactgtcgaa atggtcgtaa atcggattag gctctgcgga ccagaagtac 360
 aacgtaactg ggtgttcctg ccgtgctgca ctgctgtga cctgaatgtg taaagttatg 420
 aatatatgaa tta 433

<210> 2183
 <211> 442
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019a08b1

<400> 2183

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 gctgctgctg ctatacatcg agatcgattc taacctcaaa gcgcccagat cccaatgacg 120
 agctcgtcga cgatgtccac cacgttgca gtcgcccagat ggccccgaat gcgaaccccg 180
 tcgacatggc ctgggtccgtt gtgccggtac tgcgatccgg cgacttgtcc cattcgacca 240
 tccagttctc gccctcctcg gcggcgcttc agagcttcgc cgagaccctg caacaggtgg 300
 ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc ctcgacgttg 360
 ctcccttcc gctagacacg gtgttcgtca acctggagag cgaattgaca aaacggctgg 420
 agagcggcga gggcaccttt ta 442

<210> 2184
 <211> 302

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316019a11b1
 <400> 2184
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 ttacttcacc tagagtcttc tacctttttct tatcattgag tcaaccctt tttttttttc 120
 ttttaaacac atcccaaccc aaagtgtgaag cgcccaccta gtcctatcta gtccgaaaaa 180
 tgcgaactag aactacatga gacactatct ctgtcgttac gaacctaaca ctttctacca 240
 agcttaatcg gaataagacc tcacaaacac tcacaagtta tatagggtt gaaagaaagt 300
 ct 302

<210> 2185
 <211> 543
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316019b09b1
 <400> 2185
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 tttaaatttc agggcttttg cccatctcca atagctaaca agaactcttt cttttcttta 120
 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
 taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca aaatgaataa 480
 gaaaatccaa gtatttttac gtatccatga gttcaaattt gatgcagaca tgataattaa 540
 aga 543

<210> 2186
 <211> 491
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316019b10b1

<400> 2186

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ttcagggtt tttcccatct ccaatagcta acaagaactc tttcttttct ttacaaatcc 120
caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct 180
tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc aacccaaagt 240
ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta catgagacac 300
tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca 360
aacactcaca agttatatag ggcttgaaag aaagtctagg ttgggtttg ggtaactgc 420
tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa taagaaaatc 480
caagtatttt a 491

<210> 2187

<211> 346

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019b11b1

<400> 2187

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gtcacagaca ccgccgtcta cttcagctgc tgccgacccc gagacggaga ggctcaagga 120
ggcagccgct cgacgcaagg cggaggggcgc gacggcgtcg gcggtgtacg cccgccagcg 180
cgacgagtac tggacccgc agcggaacct tccgtacacg gccatctttc cgtagccgga 240
ggcccagagc gccgcgccgc cgcggagacg ggtgcgaaga gcgtacggtg gcgagaggcc 300
gaccgagagg agggcgagga tcgacctgac ggtgccgatg ctgatg 346

<210> 2188

<211> 499

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019b12b1

<400> 2188

atctagcgca tttggatttc ttttaacaact aagggttcctg tttttaacat tgtaaatttc 60
 agggctatatt cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa 120
 aacctttact agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180
 cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata 240
 agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat 300
 ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga cctcaciaaac 360
 actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt taactgctct 420
 aataaggaga gtcagctact tggattaaaa agagtgatca aatgaataa gaaaatccaa 480
 gtattttacg gtatccatg 499

<210> 2189
 <211> 488
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316019c09b1
 <400> 2189

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 gggcnatagt ccatctccaa tagctaacaa gaactctttc ttttctttac aaatcccaaa 120
 acctttacta gactttttct gcttcttttag cttacttcac ctagagtctt ctaccttttc 180
 ttatcattga atcaacccct tttttttttt ctttttaaca catcccaacc caaagtataa 240
 gcgcccacct agtcttatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300
 tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcaciaaaca 360
 ctcacaagtt atatagggct tgaaagaaag tctagggttg ggtttgggtt aactgctcta 420
 ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag aaaatccaag 480
 tattttac 488

<210> 2190
 <211> 466
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl19316019c11b1

<400> 2190

catctagcgg atttgattt ctttaacaac taaggttcct gtttttaaca ttttaaattc 60
aagggtttt gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca 120
aaaçctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180
tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa cccaaagtat 240
aagcgccac ctagtcctat ctagtcgaa aaatgcgaac tagaactaca tgagacacta 300
tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag acctcacaaa 360
cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420
taataaggag agtcagctac ttggattaaa aagagtgatc aaaatg 466

<210> 2191

<211> 515

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316019d07b1

<400> 2191

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acaagatatg ttgctgctgc tattcaacga gatcgattct aaccttaaag cgcccagatc 120
ccaatgacga gctcgtcgac gatgtccacc acgttgcagt cgcgccatgg gccccgaatg 180
cgaaccccg tgcacatggcc tgggtcgttg tgccggtact gcgatccggc gacttgtccc 240
attcgaccat ccagttctcg cctcctcgt cggcgcttca gagcttcgcc gtgaccctgc 300
aacaggtggc cccttcgaag ctgtccagcc acagccgcag cggcattgag atcctcgtcc 360
tcgacgttgc tccccttccg ctagacacgg tgttcgtcaa cctggagagc gaattgacaa 420
aactgctgga gagcggcgag ggcacctttt acaaggacca tccgacatgc cccaatgcca 480
aggacgttgc caacatgacg cccgaggagc gtcta 515

<210> 2192

<211> 132

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019d10b1

<400> 2192

actcattcta ataggagcat gggatttcgg cactattgac cgtatccatg attgcatcga 60
gccagggcat acgatcttct ggctctcagt tcttgacggg gggacagctg cactaatggg 120
agccaaccta tc 132

<210> 2193

<211> 491

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019d12b1

<400> 2193

tttggatttc tttacaact aaggttcctg ttttaacat tttaaagtca agggcttttg 60
cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa aacctttact 120
agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt cttatcattg 180
aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata agcgcccacc 240
tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 300
acgaacctaa cactttctac caagcttaat cggaataaga cctcacaac actcacaagt 360
tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct aataaggaga 420
gtcagctact tggattaata agagtgatca aatgaataa gaaaatccaa gtattttacg 480
gtatccatga g 491

<210> 2194

<211> 254

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019e07b1

<400> 2194

aaccttaaag cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgacgt 60
cgcgccatgg gcccgaatg cgaacccgt cgacatggcc tgggtccgtt tgccggtact 120
gcgatccggc gacttgctcc attcgaccat ccagttctcg cctcctcgt aggcgcttca 180

gagcttcgcc gtgaccctgc aacaggtggc ccctaagaag ctgttcagcc acagccgtag 240
cggcattgag atcc 254

<210> 2195
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019f08b1

<400> 2195

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tataaagaaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
tcccaatgac gagctcgttg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tgccaacccc gtcgacatgg cctgggtccgt tgtgccggtg ctgcatccg ggcacttgtc 240
ccattcgacc atccagttct cgccctctc gtcggcgctt cagagctttg ccgtgaccct 300
gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
ccttgacgtt gctcccccta cgctagacac 390

<210> 2196
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019f12b1

<400> 2196

aaatcccaaa acctttacta gactttgtct gcttcttttag cttacttcac ctagagtctt 60
ctacctgttc ttatgatgga gtcaaccct tttttttttt cttgtaaaca catcccaacc 120
caaagtgtaa ggcgccacct agtcctatct agtcgaaaa atgcgaacta gaactacatg 180
agacactatc tctgtcgtaa cgaacctaac actttctacc aggettaatc ggaataagac 240
ctcacaaca ctcacaagtt atatagggct tgaaaga 277

<210> 2197
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019g07b1

<400> 2197

cccatctgca atagctaaca agaactcttt cttttcttta caaatcccaa aacctttact 60
agactttgtc tgcttcttta gcttacttca cctagagtct tgtacctttt cttatcattg 120
aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata agcgcccacc 180
tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 240
acgaacctaa cactttctac caagcttaat cggaataaga cctcaciaac actcacaagt 300
tatatagggc ttgaaagaaa gactaggttt gggtttgggt taactgctct aataaggaga 360
gtcagctact tggattaataa agagtgatca aaatgaataa gaaa 404

<210> 2198

<211> 462

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020a03b1

<400> 2198

cactttgtta catctagcgg atttgattt ctttaacaac taaggctcct gggtttatta 60
tttgaatttt cagggctttt gcccatctgc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaata aa 462

<210> 2199

<211> 385

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020a04b1

<400> 2199

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct gtttttaaca 60
 ttttaaattt tagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 .cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttata 385

<210> 2200
 <211> 455
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020c02b1
 <400> 2200

tggattgctt taacaactaa ggttcctgct tttacattg gaaagtcata gggcttttgc 60
 ccatctgcga tagctaacaa gaactctttc ttttctttac aaatcccaaa acctttacta 120
 gactttgtct gcttcttttag ctacttcac ctagagtctt gtacctgttc ttatcattga 180
 gtcaaccctt tttttgtttt cttttaagca catcccaacc cagagtatag agcgcccacc 240
 tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 300
 acgaacctaa cactttctac caagcttaat cggaataaga cctcacaac actcacaagt 360
 tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct aataaggaga 420
 gtcagctact tggattaataa agagtgatca aaatg 455

<210> 2201
 <211> 514
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020c03b1
 <400> 2201

catctagcgg atttggattt ctttaacaac taaggtttct gtttttaaca ttttaaagtc 60
 aagggctatg ttccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca 120

aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180
 tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa cccaaagtat 240
 aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300
 tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa 360
 cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420
 taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata agaaaatcca 480
 agtattttac ggtatccatg agttcaaatt tgat 514

<210> 2202
 <211> 361
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020d01b1
 <400> 2202

tctaacctta aagcgccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc 60
 agtcgcgcca tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgcegggt 120
 actgcgatcc ggcgacttgt ccatttcgac catccagttc tcgcccctct cgtcggcgct 180
 atagagcttt gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg 240
 cagcggcatt gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cgggtgttcgt 300
 caacctggag agcgaattga caaaactgct ggagagcggc gagggcacct tttaacaagga 360
 c 361

<210> 2203
 <211> 487
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020e01b1
 <400> 2203

acatctagcg catttggatt tctttaacaa ctaaggttcc tgttttaaca tttaaattaa 60
 gggcttttgc ccatctccaa tagctaacaa gaactctttc ttttctttac aaatcccaaa 120
 acctttacta gactttttct gcttcttttag cttacttcac ctagagtctt ctaccttttc 180

ttatcattga atcaaccctt tttttttttt cttttaaaca catcccaacc caaagtataa 240
 gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg agacactatc 300
 tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360
 ctcacaagtt atatagggct tgaaagaaaag tctaggtttg gggttgggtt aactgctcta 420
 ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag aaaatccaag 480
 tattttta 487

<210> 2204
 <211> 360
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020f02b1
 <400> 2204

cccatctcca atagctaaca agaactcttt cttttcttta caaattccaa aacctttact 60
 agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt cttatcattg 120
 aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata agcgcccacc 180
 tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat ctctgtcgtt 240
 acgaacctaa cactttctac caggcttaat cggaataaga cctcacaac actcacaagt 300
 tatatagggc ttgaaagaaa gtctaggttt gggttgggtt taactgctct aataaggaga 360

<210> 2205
 <211> 439
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020g01b1
 <400> 2205

atctagcgga tttggatttc ttttaacaact aaggttcctg ggattatcat tggaaatttc 60
 tgggcttttag cccatctcca atagctaaca agaactcttt cttttcttta caaatcccaa 120
 aacctttact agactttttc tgcttcttta gcttacttca cctagagtct tctacctttt 180
 cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtata 240
 agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat gagacactat 300

ctctgtcggtt acgaacctaa cactttctac caagcttaat cggaataaga cctcacaac 360
actcacaagt tatatagggc ttgaaagaaa gtctaggttt gggtttgggt taactgctct 420
aataaggaga gtcagctac 439

<210> 2206
<211> 326
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316021a02b1
<400> 2206

gattctaacc tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt 60
tgcagtcgcg ccatgggccc cgaatgcgaa ccccgctgac atggcctggt cegttgtgcc 120
ggtactgcga tccggcgact tgtccattc gaccatccag ttctcgccct cctcgtcggc 180
gcttcagagc ttgcgcgtga ccctgcaaca ggtggcccct tcgaagctgt gcagccacag 240
ccgcagcggc attgagatcc tcgtactcga cgttgctccc cttgcgctag acacggtgtt 300
cgtcaacctg gagagcgaat tgacaa 326

<210> 2207
<211> 379
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021a05b1
<400> 2207

ggatttggat ttctttaaca actaagggtc ccgccccctt cttgccttcn cagggcgcnan 60
gcccatctcc aatagctgac aagaactctg tcttttctct acaaatccca aaacctttac 120
tagacttttt ctgcttcttt agcttacttc acctagagtc ttgtaccttt tcttatcatt 180
gaatcaaccc cttttttttt ttcttttaaa cacatcccaa cccaatgtat aagcgccac 240
ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta tctctgtcgt 300
tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa cactcacaag 360
ttatataggg cttgaaaga 379

<210> 2208
 <211> 464
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021a06b1

<400> 2208

cactttgttc atctagcgga tttggatttc tttaacaact aaggttcctg cccgttttta 60
 ttgaatgctc aagggcgatt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgcccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ctaactgctc taataaggag agtcagctac ttggattaaa aaga 464

<210> 2209
 <211> 409
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021a08b1

<400> 2209

cacagcgga aggcattaac gcctatgacg tgtactcccc aaaaatatgc tcgcagggtt 60
 acttccaccc acaccatatg agcaccgcaa aaatggtgga ccacggcata tcctcacagc 120
 tactactatc acacagggtta tcatagagcc attcaaacag agatgtcgaa aagaaccctt 180
 gctgcctcct tggcggcaca aatctgacct aaatgcccaa ttgagctgga cagtctctaa 240
 gcacgtgaag cacagattca actccacctt tacaacctg agacacattc gaggcgctaa 300
 gatgtcttgg atgccgatcc tcactgttca taactatgcc cagcttggtt atatacat 360
 tctggctata cttatactta tatatatctg tcctaaatat aactattac 409

<210> 2210
 <211> 387
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021b01b1

<400> 2210

cgtagcggtg ttttgctggc aagtcagttg ctaaggacgc aattgtggat ctcaagtctc 60
ctgaggtggc agtactagtg gaggtgctcc ccatttctgg ggtgcctggt ggatcttcag 120
tcgccggggt gtctgttctc ccagctgaac tcgtctcggc taaaccccg ctttgtgtca 180
aggctttggt gtctgataca aaaacaaaga acaagtgatg cgccaattcg gctgcaacca 240
gtcagagcac ctgtaacggc aatatatgga ggaaacgac ttgttgggca tgctcatgtc 300
agccatgccg cagcttgagc attccacaaa caaagaaacg gcatcgcagc tgtcttgctc 360
ggctctgagt atgtcaattt gtaagct 387

<210> 2211

<211> 411

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316021b04b1

<400> 2211

ggctggattc catcattaaa acctcactgc ttgtttcctg aaaccacagg cgcagaactg 60
atgggggtcc tatccacnca ncctaanagg agcatgggca ttcggcacta ttaaccgnat 120
ccatgatttc atcgagccag ggcataagat cttctggctc tcagttcttg acgtcgggac 180
agctgcacta atggtagcaa acctatcaaa taaataagtt ataaaattcg ccatagatca 240
tctttgctct tcccgagtcg atgttctgaa tgttgtattt tcagggttg ttcaattcaa 300
tagcctatgg tttcaacagc tcagtgcgtc gagcaatcca tgagagactg gagctgtaag 360
tcaccaccga tctctttggt ttgctatatt attcccaata atcaatgaag c 411

<210> 2212

<211> 389

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021b07b1

<400> 2212

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 ggggtgtttgc ccatctccaa tagctaacaa gaactctttc ttttctttac aaatcccaaa 120
 acctttacta gactttttct gcttcttttag cttacttcac ctagagtctt ctaccttttc 180
 ttatcattga atcaaccctt tttttttttt cttttaaaca catcccaacc caaagtataa 240
 gcgcccacct agtcctatct agtcgaaaa atgcgaacta gaactacatg agacactatc 300
 tctgtcgta cgaacctaac actttctacc aagcttaatc ggaataagac ctcacaaaca 360
 ctcacaagtt atatagggct tgaaagaaa 389

<210> 2213
 <211> 450
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316021b12b1
 <400> 2213

ccgcacctag caaatggtga gccaaagaaag ccaactgacg gcattgcaca tgagttgaca 60
 agtaatgctg ctgctgctat tcaacgagat cgattctaac ctcaaagcgc ccagatccca 120
 atgacgagct cgtcgacgat gtccaccacg ttgcagtcgc gccatgggccc ccgaatgcga 180
 accccgtcga catggcctgg tccgttgtgc cggtactgcg atccggcgac ttgtcccatt 240
 cgaccatcca gttctcgccc tcctcgtcgg cgcttcagag cttecgccgtg accctgcaac 300
 aggtggcccc ttgaagctg tccagccaca gccgcagcgg cattgagatc ctcgtcctcg 360
 acgttgctcc ccttgcgcta gacacggtgt tcgtcaacct ggagagcgaa ttgacaaaac 420
 tgctggagag cggcgagggc accttttaca 450

<210> 2214
 <211> 381
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316021c02b1
 <400> 2214

aaatgccaac tgacggcatt gcacatgagc tgacaaagta ttgctgcngg tgctattcaa 60
 cgagatcgat tctaacctca aagcgcccag atcccaatga cgagctcgtg gacgatgtcc 120

accacgttgc agtcgcgcca tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg 180
 ttgtgccggt actgcgatcc ggcgacttgt gccattcgac catccagttc tcgccctcct 240
 cgtggggcgt tcagagctcc gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca 300
 gccacagccg cagcggcatt gagatcctcg tcctcgacgt tgctccccctt ccgctagaca 360
 cgggtgttcgt caacctggag a 381

<210> 2215
 <211> 502
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316021c05b1
 <400> 2215

atctagcgga tttggatttc ttttaacaact aaggttcctg tttttaacac tggattctca 60
 gggtccttgc ccatctgcaa tagctaaca gaactctttc ttttctttac aaatcccaaa 120
 acctttacta gactttttct gcttcttttag cttacttcac ctagagtctt ctaccttttc 180
 ttatcattga atcaaccctt tttttttttt cttttaaaca catcccaacc caaagtataa 240
 gcgcccacct agtcctatct agtcgaaaa atgcgaacta gaactacatg agacactatc 300
 tctgtcgtta cgaacctaac actttctacc aagcttaatc ggaataagac ctcaaaaca 360
 ctcaaaagtt atatagggct cgaaagaaag tctaggtttg ggtttgggtt aactgctcta 420
 ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag aaaatccaag 480
 tattttacgg tatccatgag tt 502

<210> 2216
 <211> 449
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316021c10b1
 <400> 2216

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 agtaatgctg ctgctgctat tcaacgagat cgattctaac ctcaaagcgc ccagatccca 120
 atgacgagct cgtcgacgat gtccaccacg ttgcagtcgc gccatgggcc ccgaatgcga 180

accccgctcga catggcctgg tccgttgtgc cggctactgcg atccggcgac ttgtcccatt 240
 cgaccatcca gttctcgccc tcctcgtcgg cgcttcagag ctctgccgtg accctgcaac 300
 aggtggcccc ttogaagctg tccagccaca gccgcagcgg cattgagatc ctcgtcctcg 360
 acgttgctcc ccttcgcgta gacacgggtgt tcgtcaacct ggagagcgaa ttgacaaaac 420
 ggctggagag cggcgagggc accttttac 449

<210> 2217
 <211> 512
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021c11b1

<400> 2217

cttcccgcac ctagcaaatg gtatgccaag aaagccaact gacggcattg cacatgagct 60
 gacaaaagtat tgctgctgct gctattcaac gagatcgttt ctaacctcaa agcgcccaga 120
 tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
 tgcgaaacccc gtgcacatgg cctgggtcgt tgtgccggtg ctgcgatccg gcgacttgtc 240
 ccattcgacc atccagttct cgccctcttc gtcggcgctt cagagcttcg ccgtgaccct 300
 gcaacagggtg gcccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
 cctcgacgtt gctccccctc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420
 aaaacggctg gagagcggcg agggcacctt ttacaaggac cattcgacaa gcccgaatgc 480
 caaggacgtt gccaacatga cgcccgagga gc 512

<210> 2218
 <211> 401
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316021d01b1

<400> 2218

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 ttttaatten caggggtttt gccatctcc aatagtaac aagaactctt tcttttcttt 120

acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa a 401

<210> 2219
 <211> 454
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316021d03b1

<400> 2219

catctagcgg atttggtttt ctttaacaac taaggttcct gtttttaaca ttngattttc 60
 cagggttttt gcccatctcc aatagctaac aagatctctt tcttttcttt acaaatccca 120
 aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180
 tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa cccaaagtat 240
 aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300
 tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag acctcacaaa 360
 cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420
 taataaggag agtcagctac ttggattaaa aaga 454

<210> 2220
 <211> 478
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021d05b1

<400> 2220

tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa cattttactg 60
 ccaagggttc tttgcccatc tccaatagct aacaagatct ctttcttttc ttacaaatc 120
 ccaaaacctt tactagactt tttctgcttc ttttagcttac ttcacctaga gtcttctacc 180
 ttttcttata attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag 240

tataagcgcc cacctagtc tatctagtc gaaaaatgcg aactagaact acatgagaca 300
ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360
aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg 420
ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaatga ataagaaa 478

<210> 2221
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021d11b1

<400> 2221

cttcccgac ctagcaaag gtaagccaag aaagccaact gacggcattg cacatgagtt 60
gacaaagtaa tgctgctgct gctattcaac gagatcgatt ctaacctcaa agcgcccaga 120
tccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat gggccccgaa 180
tggaacccc gtcgacatgg cctgggtcctg tgtgccggtg ctgcatccg gcgacttgct 240
ccattcgacc atccagttct cgccctctc gtcggcgctt cagagcttcg ccgtgaccct 300
gcaacagggtg gccccttcga agctgtccag ccacagccgc agcggcattg agatcctcgt 360
cctcgacgtt gctccccctc cgctagacac ggtgttcgtc aacctggaga gcgaattgac 420
aaaacggctg gagagcgggtg agggcacctt ttacaaggac c 461

<210> 2222
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021d12b1

<400> 2222

tgttacatct agcggatttg gatttcttta acaactaagg ttctgtttt taacatttta 60
tttccaaggg tttttgccca tctccaatag ctaacaagaa ctctttcttt tctttacaaa 120
tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta gagtcttcta 180
cctttttctta tcattgaatc aacccttttt tttttttctt ttaaacacat cccaacccaa 240
agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga 300

cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc 360
 acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt ttgggttaac 420
 tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat gaat 474

<210> 2223
 <211> 475
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316021e03b1
 <400> 2223

cttcccgcac ctagcaaag gtaagccaag aaagccaact gacggcattg cacatgagtg 60
 acaaagtttt gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat 120
 cccaatgacg agctcgtcga cgatgtccac cacgttgagc tcgcgccatg ggccccgaat 180
 gcgaaccccg tcgacatggc ctgggtccgtt gtgccggtac tgcgatccgg cgacttgctc 240
 cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc cgtgaccctg 300
 caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc 360
 ctcgacgttg ctcccccttc gctagacacg gtgttcgtca acctggagag cgaattgaca 420
 aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag cccca 475

<210> 2224
 <211> 449
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316021e05b1
 <400> 2224

ctagcaaag gcatgccaag agagccaact gacggcattg cacatgcgtg acaaagtaat 60
 gctgccgctg ctatncaacg agancgattc taacctcaaa gcgcccagat cccaatgacg 120
 agctcgtcga cgatgtccac cacgttgagc tcgcgccatg ggccccgaat gcgaaccccg 180
 tcgacatggc ctgggtccgtt gtgccggtac tgcgatccgg cgacttgctc cattcgacca 240
 tccagttctc gccctcctcg tcggcgcttc agagcttcgc cgtgaccctg caacaggtgg 300

ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc ctcgacgttg 360
 ctcccccttc gctagacacg gtgttcgtca acctggagag cgaattgaca aaacggctgg 420
 agagcggcga gggcaccttt tacaaggac 449

<210> 2225
 <211> 494
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316021e07b1
 <400> 2225

cggatttgga tttctttaac aactaagggt cctgttttta acattttaat tccaagggtc 60
 tttgcccatc tccaatagct aacaagaact ctttcttttc ttacaaatc ccaaacctt 120
 tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttacc 180
 attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag tataagcgcc 240
 cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300
 cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac aaacactcac 360
 aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg ctctaataag 420
 gagagtcagc tacttggatt aaaaagagtg atcaaatga ataagaaaat ccaagtattt 480
 tacggtatcc atga 494

<210> 2226
 <211> 380
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316021e10b1
 <400> 2226

tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttaa cattnnaaat 60
 cncaagggtt tttgcccatc tccaatagct aacaagaact ctttcttttc ttacaaatc 120
 ccaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc 180
 ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag 240
 tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300

ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360
 aaacactcac aagttatata 380

<210> 2227
 <211> 230
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316021e11b1
 <400> 2227

cgattggcgt tttttaccac caccaacgcg gatcagctgc cttagcaatt ttgacactta 60
 acgggaagca aatttttggg ctgactatca aagttaattg ggcatatgct atcggacaga 120
 gggaggatac aacagaccat ttccatattg atgctgggtga tcttagccct gaggtcacgg 180
 atgatgcatt atttgcagtc ttctcagcat attcccctaa ctgctctgat 230

<210> 2228
 <211> 403
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316021f01b1
 <400> 2228

aacactttgt tacatctagc ggatttggat ttctttaaca actaaggctc ctgcccgtaa 60
 tattgtaatt ctcagggcta ttgcccattc ccaatagcta acaagaactc tttcttttct 120
 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttgtacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aacccaaagt ataagcggcc acctagtcct atctagtccg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaa 403

<210> 2229
 <211> 485
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations

<223> Clone ID: uC-tsfl9316021f03b1

<400> 2229

tctccgacct cttcccgcac ctagcaaatg gttagccaag aaagccaact gacggcattt 60
ttcatgagtg ataaagaaan gctgctgctg ctattcaacg agatcgattc taacctcaaa 120
gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgagc tcgcgccatg 180
ggccccgaat gcgaacccccg tcgacatggc ctgggtccgtt gtgccgggtac tgcgatccgg 240
cgacttgtcc cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc 300
cgtgaccctg caacagggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga 360
gatcctcgtc ctcgacgttg ccccccttc gctagacacg gtgttcgtca acctggagag 420
cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480
ccccca 485

<210> 2230

<211> 321

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316021f07b1

<400> 2230

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accaggtca tccgaccttg tttctagcct gcctggtttt cgaagaacat gaagtggagc 120
tccttggcct tgagtctacc ctttcaggat attcattggc ctaacttggg gctcaaagtt 180
gatgaataac tatgcatgca tggttaatag cttttcgtgg cacaatgcct ttgggtattg 240
agtaatgctt acttttggca catttaataa ctagctactg tacttcgttg ccggtgcttca 300
cattttgaac tcaaaggaac a 321

<210> 2231

<211> 391

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021f08b1

<400> 2231

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 ccgttgagaga tattgctggt ggcacatctccc cgtgtctctc ccggctctat ctggcggtctg 120
 gtaccagccg tcgcatgttt gcagctgcag gcggtcccaa gtcaaaagaa gcaccccgaa 180
 tatttcccct tgttgatgag aattccatta agtcgaagga atccctatgg gcctcgtatg 240
 aatgctggtg caagtattgg ggggtatccc gtgaccgcga agagatggtc cgccggttca 300
 agtcatttga ggctactgca cagtgggttt acaaaatgaa caactctggg tgttcgcaag 360
 tgtctcaact gggcccgcat gcagattttt c 391

<210> 2232
 <211> 390
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316021f09b1

<400> 2232

cactttgtta catctagcgg atttggattt ctttaacaac taaggttcct ggcncatattt 60
 ttggattttc cagggctnan gcccatctcc aatagctaac aagaactctt tcttttcttt 120
 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacct cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg 390

<210> 2233
 <211> 220
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021f10b1

<400> 2233

aacgagagcg attctaacct caaagcgccc agacccaat gacgagctcg tcgacgatgt 60
 ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc 120

cgttgtgccc gtactgcgat cgggcgactt gtcccattcg accatccagt tctcgccctc 180
ctcgtcggcg cttcagagat tcgccgggac cctgcaacag 220

<210> 2234
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021f11b1

<400> 2234

ttagatcatg tggctggatt tcatcattaa aacctcactg cttgtttcct gaaaccacag 60
gttttgaact tatggggata ctatccactc attctaatag gatcatgggc attcggcact 120
attaaccgta tccatgattt catcgagcca gggcataaga tcttctggct ctcagttctt 180
gacgttggga cagctgcact aatggtagca aacctatcaa ataaataagt tataaaattc 240
gccatagatc atctttgctc ttcccgagtc gatgttctga atgttgtatt ttcagggctt 300
gttcaattca atagcctatg gtttcaacag ctcagtgcgt cgagcaatcc atgagagact 360
ggagctgtaa gtcaccaccg atctcttttg tttgctatat tattcccaat aatcaatgaa 420
gcttgatttt tatgaaaccc ttggtctgct agattc 456

<210> 2235
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021f12b1

<400> 2235

aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc ctgcntaat 60
tcttaattcc agggtttng cccatctcca atagctaaca agaactcttt cttttcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420

taactgctct aataaggaga gtcagctact tggattaaaa aga

463

<210> 2236
<211> 442
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021g05b1

<400> 2236

ggatttcac attaaaacct cactgcttgt ttcctgaaac cacagtcgcn gaactgattg 60
ggatactatc cactcattct aataggatca tgggcattcg gcactattaa ccgtatccat 120
gatttcacgc agccagggca taagatcttc tggctctcag ttcttgacgt tgggacagct 180
gcactaatgg tagcaaacct atcaaataaa taagttataa aattcgccat agatcatctt 240
tgctcttccc gagtcgatgt tctgaatgtt gtattttcag ggcttgttca attcaatagc 300
ctatggtttc aacagctcag tgcgtcgagc aatccatgag agactggagc tgtaagtcac 360
caccgatctc tttggtttgc tatattatc ccaataatca atgaagcttg atttttatga 420
aacccttggt ctgctagatt ct 442

<210> 2237
<211> 535
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021g06b1

<400> 2237

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taatctcagg gcttttgccc atctccaata gctaacaaga actctttctt ttctttacaa 120
atcccaaaac ctttactaga ctttttctgc ttctttagct tacttcacct agagtcttct 180
accttttctt atcattgaat caacccttt ttttttttct tttaaacaca tcccaacca 240
aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga actacatgag 300
acactatctc tgctgttacg aacctaacac tttctacaa gcttaatcgg aataagacct 360
caciaaact cacaagttat atagggcttg aaagaaagtc tagggttggg tttgggttaa 420

ctgctctaataaggagagtcagctacttggattaaaaagagtgatcaaaa tgaataagaa 480
aatccaagta ttttacggta tccatgagtt caaatgtgat gcagacatga taatt 535

<210> 2238
<211> 140
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316021g11b1

<400> 2238

agaaatgctg ctgctgctgt tcaacgagat cgattctaac ctcaaagcgc ccagatccca 60
atgacgagct cgtcgacgat gtccaccacg ttgcagtcgc gccatggggc ccgaatgcga 120
accccgtcga catggcctgg 140

<210> 2239
<211> 351
<212> DNA
<213> *Triticum aestivum*

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021h02b1

<400> 2239

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tggaattctc agggcgaang cccancncca atagctaaca agaactctgc ctttgcttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcggt acgaacctaa cactttctac caagcttaat c 351

<210> 2240
<211> 358
<212> DNA
<213> *Triticum aestivum*

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316021h03b1

<400> 2240

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 catctccaat agctaacaag aactctttct tttctttaca aatcccaaaa cctttactag 120
 actttgtctg ctcccttagc ttacttcacc tagagtcttg taccttttct tatgattgag 180
 tcaaccctt ttttttttct ttttaaacac atcccaaccc aatgtataag cgcccaccta 240
 gtcctatcta gtccgaaaaa tgcgaaactag aactacatga gacactatct ctgtcgttac 300
 gaacctaa ca ctttctacca agcttaatcg gaataagacc tcacaaacac tcacaagt 358

<210> 2241
 <211> 358
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021h06b1

<400> 2241
 tcccgcacct agcaaattgg gatgccaaga aagccaactg acggcatctc tcatgagtcg 60
 acaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat 120
 cccaatgacg agctcgtcga cgatgtccac cacgttgtag tcgcgccatg ggccccgaat 180
 gcgaaccccg tcgacatggc ctgggtccgtt gtgccggtac tgcgatccgg cgacttgtag 240
 cattcgacca tccagttctc gccctcctcg tgggagcttc agagctccgc cgtgaccctg 300
 caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcg 358

<210> 2242
 <211> 205
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021h07b1

<400> 2242
 aaagaaatgc tgctgctgct attgaacgag atcgattcta acctcaaagc gccagatcc 60
 caatgacgag ctggtctacg atgtccacca cggtgcagtc gcgcatggg ccccgattgc 120
 gaaccccgat gacatggcct ggtccgttgt gccggtactg cgatccggcg acttgtagca 180
 ttcgaccatc cagttctcgc cctcc 205

<210> 2243
 <211> 352
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316021h08b1

<400> 2243

cacctagcaa atggtgagcc acgaaagcca actgacggca ttttacatga gttgtcaaag 60
 aaaagctgct gctgctattc aacgagatcg attctaacct caaagcgccc atatcccaat 120
 gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac 180
 cccgtcgaca tggcctggtc cgatgtgccg gtactgcat ccggcgactt gtgccattca 240
 gaccatacag ttctcgccct cctcgtgggc gcttcagagc ttcggcgcca ccctgcaaca 300
 ggtggccctc tcgaagctgt ccagccacag ccgcagcggc attgagatcc tc 352

<210> 2244
 <211> 322
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023a03b1

<400> 2244

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 ctcgctgaag aagtgatggg ggaggtgctc ggcgtgttct tgtacatagt agatgtaggt 120
 tcagtttccg ttctggtgtg ttgggcgtga tgcctaggac tggcgatatg ccgatgagga 180
 gcgcgccgcc tgcgcgtacg agcagcgcac ggtggctagc ggcgatgctt tggttggtgg 240
 cgggtggcgtg gtgctactcg ctgctgcgtg attcatcgtc ggcgcaccc gcaataagct 300
 cggttgctgc catgatttgg ag 322

<210> 2245
 <211> 175
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023a07b1

<400> 2245

tttctccttg gtcctctctc tctctctctg tgtgtgtctt tttcaaccgc tgccgcgagc 60

ccgtgtgaga gagatgggga ggcgccgagc cggcggcggg gggcgcggag gaggcataagg 120

tcgaggccga ggagaaggac ggggtggagg agaggaggag gatctgcatg tgcac 175

<210> 2246

<211> 364

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023a11b1

<400> 2246

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gggaggggaa agttaataaa gaaggtgtca cgtattacaa caatctcata gactacgtcc 120

ttaagcaagg gctcactcct tatgtcaatc tcaaccacta tgatatccct cttgcgcttc 180

agaagaagta tgatggcttc ttaagcccaa agatcgcgaa catatttgcg gactatgctg 240

aattttgttt caagacttat ggtgatcgaa ttaagaactg gttcacattc aatgagccaa 300

ggatagtagc agcacttggc ttgtgatactg gaacgaatcc ccctaacagg tgcaccaaatt 360

gcgc 364

<210> 2247

<211> 333

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023b02b1

<400> 2247

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ctcgggggag accaagctcg caggcgcccg tccccctccg tcggcgccct cctctccgcc 120

gctgccgccc gctcgccgc ggtggcggcg gccccgtct ccaaaggcag catggggaga 180

tccgcggtgg acgctttggg cgctcgctgg gcgtggcgcg gagatgcgcc gttcgtggcc 240

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cggtggaagt gccagcagag ctggatgcgt ggc 333

<210> 2248

<211> 317

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 taccgaatgg ttccctgaag gcaatttcga gagctatgtg cgtaagatga gaaagcctca 300
 tgcttggggg ggagaacctg agctgctcat gtgctccac gttcttggga tgcccatcac 360
 cg 362

<210> 2251
 <211> 389
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316023e02b1

<400> 2251

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 tgaaactaag gatactgata tcttggcagc attccgagta agtcctcagc ctgggggttcc 180
 gcccgaagaa gcaggggctg cagtagctgc cgaatcttct actggtacat ggacaactgt 240
 ttggactgat ggacttacca gtcttgatcg ttacaaagga cgatgctatc acatcgagcc 300
 tgttgctggg gaagacagcc aatggatctg ttatgtagct tatccattag acctatttga 360
 agagggttcc gttactaaca tgtttactt 389

<210> 2252
 <211> 120
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316023e03b1

<400> 2252

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 actaaagcag gagttggatt taaagctggg gttaaagatt ataaattgac tgactacacc 120

<210> 2253
 <211> 377
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316023g08b1

<400> 2253

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atagaaggcc aatgtctttt agaagatcag aattttgttt ggcatgcgac atctaataac 120
ctggcgatcc aggtgaatag agttatgcac catctggctg ctccgggtat gtactctata 180
tttgtggggg ggaagatgaa agcatgtccc atgctctgat ggcttgcccc gaggagagct 240
ctacgcatgg agttgaagga agtttggaat attctgggga gtgaaatctt caacttctta 300
aggctcgatt ggatgcttct cttgttggat cagttaacct caacatacct tattcatatt 360
ctagggagct tggcact 377

<210> 2254

<211> 102

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023g12b1

<400> 2254

ttaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggaaaaaaaa aaaaaaaaaa acaaaaaaaaa 60
aacaiaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg gc 102

<210> 2255

<211> 253

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023h01b1

<400> 2255

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aaattcggga caccaagggg gagcaattta ctccaaaatg gttcaagatg acggaagaca 180
tctcccctac cccgtggggc gacctggagg tgtatgaata caatggcaga tactccgagc 240
accgggctgc gat 253

<210> 2256
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316023h02b1

<400> 2256

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cacacaagag caggcttgaa gaacaacata gagctgagaa gaaaattcgg gacaccaagg 120
gggagcaatt tacttcaaaa tgggtcaaga tgacggaaga catctgccct accccgtggg 180
gc 182

<210> 2257
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088b04b2

<400> 2257

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cgtacaagag agtggcgcct ctacttgatg gcatgggcaa ggtgaacatc tgtaatcaca 120
aagaggcact agaataagaa aaatagtcgc gtgctgataa gagaatgggc ttacatttta 180
cctactctga aagcaggcaa gattttatct gggggatgtc ggggaatggca caacaatgaa 240
gctcgggggt aatatggcga cggggagcat ga 272

<210> 2258
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088b08b2

<400> 2258

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atggcggacg tcgacgttga cacggaggtg gccgcgggcg cgagccgaa gaagaggacg 120
ttccgcaagt tcagctatcg cggcgtggat ctcatgccc tcctggacat gtccaccgac 180
gaccttgtcc agatgttccc cgctcgcgcc cgcagaaggt tcaagagggg tctcaagagg 240

aagcccatgg cgctcgtcaa gaagctgcgc aaggcgaaaa aggacgctcc tgctggtgag 300
aagcctgagc cagtgaggac acatctgcgt aacatgatca ttgtccctga gatgattggc 360
agccttatcg gtgtctacaa tggcaagacc tttaaccagg ttgagattaa gcctgagatg 420
attggccatt accttgcaga gttctctatc ttctac 456

<210> 2259
<211> 427
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316088f02b2
<400> 2259

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ttgttcaagc acacaactgc tgtatttcgt aaattgtgac gtgttcatat gattttttac 120
tgaagggtgct tgtcaattat aggtgaaaaa cttggcatgg aggcgcatag gattgctgct 180
tctgtttttg gattggccct tgcgaggagg accgaagcaa actccagcag gtttcaggga 240
taatacaacc aatccaacta ctacctttgg tgtgcttttt ggatggacta atctgaagat 300
gctgactagc ttgcaccacc atcatatagt cacgaagcaa gggcaaggat tatagggaaa 360
ataaaggcaa ttcaccatcc ggaggaaatg ccaactaata catttttgta ctttctctat 420
tactatt 427

<210> 2260
<211> 205
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316088f03b2
<400> 2260

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ggtcaccatg ctgggggtga ggaagggcgc ggcgactgtg gagctcgggt cgctgacgat 120
gaggaggaag ggcgccccgc ctccggctcc cccggtggtg ccggtggagg aggggaagaa 180
ggcgccggcg gtggggggcg ggaag 205

<210> 2261
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088f10b2

<400> 2261

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agaaggtgac cctcaagtac atggccaatg actccagccg gcgcagtagg tttaggaagc 120
gtctcggggg gctgatgaag aaggcggccc agctggccac cctgtgcgac gtcaagacct 180
gcgtggtggt gtacggcgag cgcgaggcgg agcctaaggt attcccttgc cacgccgagg 240
cggtggatat cctcaacgaa tttaaaagca tgccacagct agggcattgc aagaagacga 300
tggaaccagga ggccttcctc acccagcgca tcgccaagct ccgggaccag gtcgacaagg 360
ctcgccgcga gtgccaagac agcgagatta ggtacctgct ttacaacatc atgcacggta 420
accaccc 427

<210> 2262
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088g02b2

<400> 2262

acaaatgtaa tctgctgctg gccgcctgtg aatatgtgca catccggcta atgctagagg 60
gaagaaagt 69

<210> 2263
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316088h09b2

<400> 2263

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ggaagaggac accggcgccc aaatcgctcc catcgtgaag ctcgaggagg tggccatcac 120
caccggcgaa gaggacgagg acgtcctcct cgacatgaaa gcgaagctgc atcgatttga 180

caaggacggg ggccagtgga aggagagggg cacgggtgcc gccaaagtgc tcaaacacaa 240
 tgagactgcc aagggtccgcc tcgtcatgcg acaggccaag accctcaaga tctgcgcaa 300
 tcacctcgac gtggccacga cgaagatgca ggagcacgct gggagcgaca agtcgtgc 358

<210> 2264
 <211> 341
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316090b10b2
 <400> 2264

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 tgctatcatc tactccatca tcctgcaaga acaacaacag gttcagggtt ccatccaaac 120
 tcctcagcag caaccccaac agttgggcca atgtgtttcc caaccccaac agcagtcaca 180
 acaacaactc gggcaacaac ctcaacaaca acaattggca caaggtacct ttttgcagcc 240
 acaccagata gctcagcttg aggtgatgac ttccattgcg ctccgtaccc tgcaccgatg 300
 tgccgtgtca atgtgccgtt gtatagaacc accactagtg t 341

<210> 2265
 <211> 381
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316090c07b2
 <400> 2265

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 agttccatcc ccagcttctg ctaggccatt cattggtaac aagatgggag aagaatcatt 120
 agtaaattac gctatgaacc agagcctgta ccctctggta ttgggctcga catggaagaa 180
 tctcgaaatg gctcaaaagt gccagaaagt gttgttggga ttgctccgct acctgagctg 240
 aataaatcca aaaggggatc ccaaacagaa agatatagta aaccatcaaa accagcaggt 300
 ttacttgaac gaatgctcat gttctccagt ggggttggca ttggtatttt atcttcctct 360
 ctatcaagca aaaaagatct t 381

<210> 2266
 <211> 351
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090c11b2

<400> 2266

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 attccgtctg cgctattaag gtttgtttgg aggaagggga ggaggttcgg aggtggagct 120
 gagagagaga ccggagatgg cggcttccgc gaggcagggg gagagggcga ccagcttcgc 180
 catggcctgc agcctgctca gccgctacgt ccgccagaac ggcgccgacg aggccgagct 240
 cggcctcggg atcaacaagg gtgaggccga ggctcacagg acggcggaca ccaagagccc 300
 ttgctctgcg gcggagggcg aggaggccgg caggaagaag gagaccatgg a 351

<210> 2267
 <211> 445
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090e01b2

<400> 2267

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 atcaggcgcc accggtcgcc ggcagtgtcg cccgagacga cgatcatcgt cgtcgggcga 120
 acgccacaac aatcacaag cccaattcta ccaccacaag tcattctccc agcacgcgtc 180
 ggcataga aaagggagcg aaggaggatg cggagtccg ggggctggcg gcggcggtgg 240
 cacgcgcggc aacggacgac cggacggtga tcatcacgtg cgtgaaccag gcttgggcgg 300
 caccaggctc cttactggac ctgttcctgg agagcttccg catcggcgac ggcacggcgc 360
 ggctctcct acacgtgctg gtcgtggcca tggatcccgg cgcccatgca cggtgctcgt 420
 ccgtgcacca gcactgctac cacta 445

<210> 2268
 <211> 216
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090e05b2

<400> 2268

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ccttccgtaa gaaggggtac atcccgtca ccacctacct gcgcacctac aaggtcgggg 120
agcacgtcga cgtcaagggtg aacggcgccg tccacaaggg catgccgaac aagttctacc 180
acggccgcac cggccgagtc tggaacgtca ccaage 216

<210> 2269

<211> 462

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090f08b2

<400> 2269

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tgctccggag gctgttttgg atgctgtgag aaggccgcaa aacatgtagg cgatctttcc 120
aagagcttaa tagcccatgc ccagaatcct acgggtggcag aggaattttg gagtacgacc 180
accatcgagg ttgatccggc agacctacga gcaccataca acacatcctc ttgggacctt 240
gatctgcatg gagtcggaag cagtcataac ctgggcgaat ctgctaataca tggtttttct 300
ctttggcaac aaactaggga tgagtggact gagaatacaa ggttaaggca agaaccgggtg 360
gtgaagcaga tccaggaacc agtggtgagt tggaatgcag cgtatgaaag tttgcttgga 420
tcaaataaac cattccctca gcccatccct ctacatgaga tg 462

<210> 2270

<211> 379

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316090f12b2

<400> 2270

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agccatgtcc ggggatggcc agagcggctt cgcaagggtg cactccgtgc tgggtccgat 120
gatggcgag ggtcacataa tccccatgac cgacatggcg agcctgctgg ccgagcacgg 180
cgcgaggtc accttcatca ccacgccagt gaacgcgtcc aggttggcga gctttgccgt 240

ccacgtggag gagacaggct tggcggaccg actcgtggag ctccatttcc cggcagccaa 300
gtttggccta ccggacgggt gcgagaccgt cgacatgac caatcgagg atctgctgtc 360
gaacttcttg gaggcacgc 379

<210> 2271
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092b06b1

<400> 2271

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acccgcagcg gcaagatcat ggcgaggatc ctgcgcaaaa ttgccgcgaa gcagctggac 120
gagctcggcg acataagcac tctcgtgac cccggcgctc tgcaccagct gatcgcgctc 180
aaagattgct aggatgtaaa gcagttatgc gactgttttt tcccctatgc ggttatgtgg 240
ttggtagaag gttgatttta gtgctcgcta gtccttttaa tcagtgcgat tttctcctga 300
ggctagttag ctgcagcg 318

<210> 2272
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092b08b1

<400> 2272

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actgtttcac taaatgaggt gaatgagagt acattatttc tgtctaataa gcttgatagc 120
actgtttcca ggatttctgc tattaaagaa gagaaagagg ttctttcagc ggctcttttg 180
gagcaaaaga aaagtacagc cgaagctcag aaaaatatgg tggatgctca gcactttatt 240
aaaaggcttg ggatggagag agagaatagt gaaatcagga gtacaaagct tgaagaggag 300
ttggccacag caaaagggtga gatgttatat ctgaggaggc agattactgc aagtgggtca 360
cagaatacag atgttttggg agcaagccca aca 393

<210> 2273
 <211> 380
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092b10b1

<400> 2273

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 caaggagctc caaggctggg ctgcagttcc ccgtgggaag gatcgccagg ttcctcaagg 180
 ccggcaagta cgccgagcgc gtcggagccg gcgcccccg taccctcgcc gccgtccttg 240
 agtacctcgc cgctgaggtc ctggagctgg ccggaaacgc cgccaggagac aacaagaaga 300
 cacgtatcgt gccccgccac atccagctcg ccgtgcgcaa tgacgaggag ctgaccaagt 360
 tgctcggcgg cgccaccatc 380

<210> 2274
 <211> 399
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092c01b1

<400> 2274

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 ttcttgaaaa aatatttgct ttagatccag ataagaggat aaccgtatca caggcactta 120
 gccatccatt tatcactggc aagtgaat aagatgttga ttcctcttga cattgtaaac 180
 tacaatttgg gttcctcttg tctaatacgc gccatttcta tcttgtgtct gggagctatg 240
 agatctgagt gcgtgcccac atggacgaag catgggggtg ctgaagagat gctgtcttac 300
 ggaccttgct gcatgcactt accatttga tagttctgct gcttggattc tgccagggcc 360
 tctgctgcat gcacttatat ttctaaagg accaacaaa 399

<210> 2275
 <211> 241
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092d04b1

<400> 2275

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aagatggacc tgactgtcta tcagtttga attactgtcc gatggtctaa caaaaaagtg 120

gttatgggac agttaaagtt ttattttgca tgtctttgaa tcacgtagct ggatcatcgt 180

tttctagcat gtgtggtaca tccaaatatg caagtaagac gaattgcaag ttttattttg 240

c 241

<210> 2276

<211> 431

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092d07b1

<400> 2276

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cggtgaggaa gaggagtgtt taccgaggca gaggaaacct cccgaagtaa ggaatgcact 120

ccgtgagaag agagtcgcgt ttaggcaaaa gactgggcgg caccatgcaa aggtagccct 180

gcgtaagtac aacagagcaa acaacaccaa gtttgagctg gtggaggtgc cagtgatccg 240

tgagttttgg gagtttgag ggggctgcat ccattacaac ttcacggcta agcaagcaga 300

ggatcatcgt cattctgctg atgcagaaa caccaagctc ttcttctctg aggtcaactc 360

tgctttccat ggcgacaagg atgtggtcct gtgctgtatc gttggagaac atgacaatgg 420

gcattgctat g 431

<210> 2277

<211> 421

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316092e12b1

<400> 2277

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gcgagcgcgg cgcgtcggtg ccgatcccga ccgacgtcgt gacggccaag gaattctcgc 180

cgacggccgc ggccacggtg aagcaggctg cgcacatcga agcggacgac atgacccctg 240
 acatcggccc cgatacggcc aaggcgctcg cgagccagct cgagaaggcc ggcacgatcg 300
 tgtggaacgg cccggtcggc gtgttcgagt tcgaccagtt cggcaacggc accaagacgc 360
 tcgctgaagc aatcgccaaa tcgtccgcgt tctcgatcgc gggcggcggc gacacgctcg 420
 c 421

<210> 2278
 <211> 437
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316092g02b1
 <400> 2278

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 gcttcttcgg ccaccaccgt cgcgcccttc caggggctca agtcgaccgc cggcctcccc 120
 gtcagctgcc gtcocggcag caccggcctc agcagcgtca gcaatggcgg aaggatcaga 180
 tgcattcagg tgtggccaat tgagggcatc aagaagttcg agaccctgtc ttacttgcca 240
 cccctctcca cggaggccct cttgaagcag gtcgactact tgatccgctc caagtgggtg 300
 ccctgcctcg agttcagcaa ggttggtctc gtcttcctg agcacaacag ccccccggg 360
 tactacgacg gtcgatactg gacaatgtgg aagctgccta tggtcgggtg caccgacgcc 420
 acacaggtgc tcaacga 437

<210> 2279
 <211> 255
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316093a05b1
 <400> 2279

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 cccgcggcgg cgggcgacct ccgccttcct ctccctagc cacctcgctt accctcgccg 120
 cctcgccacc cctctccgcg ctggcgccct cctggagcac ggaggtgggtg ctggcctcct 180
 acctccgtcc cgaccgacgc tcacgtccct ggcgacacac ctgcgcctcg aagacgcccc 240

gctgcgctgg atcgt

255

<210> 2280
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093c05b1

<400> 2280

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cccatgatcg gcgcggcgat cgcggccttc taccaccagt acatcctcag ggccggcgcc 180
atcaaggccc tcggctcctt caggagcaac gcgtaacaag ttatcatcca tgtcatctgt 240
atgcaagact gaagcaatgg cgacccgtgt tgtgtccatc catccagaga gaaatgcgct 300
tttgcaactt ctgcacagtt cagttcggcc gccgcaatgg tcgtgttatt atgtgtcggc 360
agctgcatat gcgtagtacg tggtcgggtc atg 393

<210> 2281
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093c10b1

<400> 2281

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tacctcgttg tctacggctc cggatccacc gcggggctcc tcgtctccga cacgctgcgc 120
atgtcgccac ggggcgccgc cagccgcaac ttcgccgtgg gctgcagcct cgcgtccgtg 180
caccagccgc cgtcgggggt cgcgggggtc ggccgcggcg cgccgtccgt gccggcgag 240
ctcgggggtca ccaagttctc ctactgcctc ctctcccgcc acttcgacga cgacgccacc 300
gtca 304

<210> 2282
<211> 119
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093d09b1

<400> 2282

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ctggccttgc cttggtgaag aaagcgtatg tgtacattca caagaatggg tacaagaca 119

<210> 2283

<211> 351

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093e10b1

<400> 2283

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gatgccttgc agaagctgca ggagaaatgg aagtccacgg cggcgccgta cccggccatg 120
tactcgagct tcttgggcgg catcgtcctg gaccggcca tgatggcct ccccatcgac 180
gaccacatgg tccaccgagg ccacggcgtc ttcgacacgg ccatgctcct agacggccac 240
ctctacgagc tcgacacgca cctagatcgt ttcttgctgt ccgcggcgca ggccaagggtg 300
ggcaccctgt tcccgcgcga cacgctgcgc agaatectcg tgcagatgac g 351

<210> 2284

<211> 402

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316093e11b1

<400> 2284

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gcccgcgtcc accatggcgc tgccgaacca gaacaccgtc gattaccca gcttcaagct 120
cgtcatcgtc ggcgatggcg ggactggcaa aaccacattt gtgaagaggc atctcactgg 180
agagtttgag aagaaatacg aaccaccat tgggtgtgaa gttcaccctg tggatttcac 240
cactaactgt ggaaagatcc gtttctactg ctgggacact gctgggcaag agaagtttgg 300
tggccttagg gatggatact atatccatgg tcagtgtgcg attatcatgt ttgatgtcac 360
ttcaaggctg acctacaaga atgttcctac gtggcacagg ga 402

<210> 2285
 <211> 238
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316093f01b1

 <400> 2285

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 cgggatccgc ggcagccagc accgtcgctt cttcccgccg atccgccccg tcccgccccg 120
 tcggcatggc ggacggggac tcggcggcgg cctacgcgcc gccgcggtcg ccgctccccg 180
 ccgagacgcc gtccacgcag aagcggaggc agcgcggcct cgtctcgcggtg gtctggaa 238

<210> 2286
 <211> 351
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316093f06b1

 <400> 2286

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 taaatatttc gatgtgtaga actcgtcttc caagagttga acttggtggt gatattgctg 120
 gtggcccagt ggagaaatgg cctcaaagac ttgctgcagt gccaccaaga atagccaata 180
 gggaaatcaa ggggatgtcc atccaggcat acaaacatga cttttcaatt tggaagagaa 240
 gagttgaact ctatggaaca tatttgaaag atttatctca caggagttac agaaatgtca 300
 tggaatgaa tgctggtttt ggtagctttg ctgcagccat gttgaaatac c 351

<210> 2287
 <211> 355
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316094a09b1

 <400> 2287

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 ttttgtaaag gatgtattgg acagcctaga attcgcaagg gggagtgcaa actcaacatg 120

gggctctgtt agagctgcaa tggggcatcc tgaaccgttc ccagtcaa atgtgtgcat 180
 tggaaatgaa gattgcggga aaaaatacta cctcggaat tacctcaagt tctacaatgc 240
 tataagagaa tcctatccag acattcagat gatttcaaac tgtgatgggt catctaaacc 300
 acttgaccat cctgctgaac tgtatgactt ccatgtctac accgattcta agact 355

<210> 2288
 <211> 372
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316094d06b1

<400> 2288

acaagaccgt ccgaacctga gatttatggg cataagagat ctgaaagaga cgcattgtgt 60
 cccgtcctgg atctcattgt ttgctgaatt tttgtggacg gaagaatttt acgggtgcttt 120
 gtggatgttc cttatggatg ggggctggga gtctcacgtg gaagaattga ttcattatggc 180
 ttctggcgggt caatgccgta gtgtcgcatt atcgatccca gctagccgta aacagattga 240
 catatatctt gaattatttt gttagtggac gtatgatcaa atggattcag agatactctt 300
 tctgttcaa aaggagggag tagtgattcc cgctgctatt tcattcttgg gtaagtagta 360
 taccgccgaa aa 372

<210> 2289
 <211> 402
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316094d07b1

<400> 2289

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 tattttacta aataactatg gactagctac tatttttaca atgggttact tattagacta 120
 gggacgtgtg atatctttct cccgttgcaa agctaaacca cgtcgtgtca tctttgtagt 180
 ttacatattt tttagatgtg ttggcacaca ttttgaggca tcattttctt tcaagtcgtt 240
 catcatcatt ggtcccatc tgcacaagac tatcgatgat accactctgc attggaccta 300

cacaatcatc aattttacca atgtcacaaa tggctctgtct tgtaatgtga cattatggct 360
aactgtttgg tttaaattat ggctggtaga tgccttgga tg 402

<210> 2290
<211> 371
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316094e04b1
<400> 2290

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gaccagctga tgctgacgga gtcggccgtg gagatccgac gccgctttga ggatcaccgc 120
ggcctcgccc cgggatcgga ggaagccgtc cgcgccctct ccgaggcccg cgaggccgcg 180
gacttcatcg ccaacatgat cgtccaggct aagcgctcac cctccggatc cttcgttgtg 240
aagcctgaga aggcacatgc cggagctacg cttgagattc cttccgagga gatcctgtct 300
acgttgaaat aggggaggtt tgcattatcc actgtgcaag cgtcactgat aggctagtta 360
taataagacc a 371

<210> 2291
<211> 326
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316094e06b1
<400> 2291

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gcaagcttgg cgattgggat tcaagcgcca gcgctccaaa tccggcggag ggggtggcgcg 120
cgccggcggc ggcgatttcg atttgtggta gtcctcaccg ctggaggcgg ctgcccgatc 180
cagccacctg agaacaaact cccgaccatc cctccttgcc cgcgtatata ggccgtactc 240
gttttcgcca ccacccctga cgcgtctggc gtaagaggct gggggtggtc ttggtggcgg 300
cacacatccc aggaaggagc gagtgg 326

<210> 2292
<211> 351
<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316094f03b1

<400> 2292

gatatgggct ggcggcggtac cgggcgggtgt tgcggggcggc gcggcgggacg ttctcaggcg 60

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gcctcgcccc gggatcggag gacgccgtcc gcgccctctc cgaggccccg gaggccgcgg 180

acttcacgc caacatgatc gtccaggcta agcgctcacc ctccggatcc ttcgttgtga 240

agcctgagaa ggcacatgcc ggagctacgc ttgagattcc ttccgaggag atcctgtcta 300

cgttgaaata ggggagggtt gcattatcca ctgtgcaagc gtcactgata g 351

<210> 2293

<211> 331

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316094f08b1

<400> 2293

cgctcggggg tggcgctggc gccagatcc acctcgctct tctcagggtgc gtcgggggct 60

ggcctgctcc tgtccttcag cgctggctcg atccggcctg cctgtgtgcg ccgctgcatc 120

ttgcggcggc cctcggttc tccggcgagt gactgttcca gtcgggggag gcgcgaccct 180

ggctgaccta gtgctcgatg gggcagacta atctctgccc agatccggtg gcgcgccgatg 240

tggctctgca agatccgggc agcacacgcc ctgaagatgc cgtcatgggt tgctgggttc 300

tcacgctccg gatgcaaaat tctgggtcga c 331

<210> 2294

<211> 238

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316094f11b1

<400> 2294

gttgcgccgg cgtggtgaag gggttccagc agggcctgta catgggcaac ggcggcggcg 60

ccaacgtggt ggcgcccggc tacaccaagg gctccggcct cggcgccgag atcatcggca 120

ccttcgtcct cgtctacacc gtcttctccg ccaccgacgc caagaggaac gccagggact 180
cccacgttcc catcctcgcc ccgctgccc tgggttcgc cgtgttcctg gtgcacct 238

<210> 2295
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316094h02b1

<400> 2295

aaatataaaa aaaaaaaaaa aaaaagagaa aaaaaagaaa aaaaaaaaaa aaaaaaagca 60
aaaaaatggg gcggccgac tagagg 86

<210> 2296
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316095b06b1

<400> 2296

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gtggaagctg cctatgttcg ggtgcactga cgccacacag gtgatcaacg aggtggagga 120
ggtcaagaag gagtaccctg acgcgtatgt ccgcatcatc ggattcgaca acatgcgtca 180
ggtgcagtgc gtcagcttca tcgccttcaa gccaccgggc tgcgaggagt ccggcaaggc 240
ctaaacagct cactcacgac aggccatata taaagtgcc ttgcagtttt gtcaactctg 300
acattgcttt gggttttcct tctccattta tctttcttat ttgttcctaa gaatatgtgt 360
atgtccatgt tcatgtacca acat 384

<210> 2297
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316095d06b1

<400> 2297

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aagacggaag taatgctgcc cctgttcact ccagttagaa ctactagtta ccgtttcttg 120
 tggcgcaacg ccttcagtgc cttatattca attggcatgt agcatagtat tctttcttg 180
 agctgcaccc tcgcaattct taggctcgtc tcgtatagta gaaaataata gctctaccct 240
 tcaataagcc tataagcagc gcaactgcag atg 273

<210> 2298
 <211> 123
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316095e10b1
 <400> 2298

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 ccaacgtttg ttattcgtgt aggttgagtg taacgagtgt aataaggaca cagagctcta 120
 gtt 123

<210> 2299
 <211> 407
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316095g06b1
 <400> 2299

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 gtgctccccg acgacctcag cgtacgtgtc gtcattccaga agagccaggc caacttccag 120
 tccctgtacc tcggcaactg cagcacggcg gtggcgacga tgcgcagccg gctcccgag 180
 ctcggggtga cgagcgccga ctgcaaggag atgagctggc tgcagtacac ggtgtacata 240
 tacttgggcy acgccatcaa cagcaagccg ctggaggcgc tctctctcaa ccggtccacg 300
 accctgggcc ccttcgtcaa gaacaagtcg gactacgtca agaaagccct caccaaggag 360
 acctggaaga agatcttcct ctggccaac ggcggggggt cggggca 407

<210> 2300
 <211> 258
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316095h07b1

<400> 2300

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tcgagggggtg aaacaaggca aaggagagat aatgtggcgt cgctgcattt gttgtcaagc 120
cgctgagttt gatgagaatg aaaatgggcg tgccaaggcc aaggcccca caaataacgt 180
agatggaatg aaaaagggtt tgaaagattc tgctactgtg aaagccgagc cacaagattc 240
agctccctgt atcaatat 258

<210> 2301

<211> 316

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096b01b1

<400> 2301

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atccgcgctc agcgtaaggg tgcgggctcc gtcttcaagt cccacacca ccaccgcaag 120
ggccccgccc gcttcaggtc gctcgacttc ggcgagcgca acgggtacct caaggcgctc 180
gtcaccgatg tcatccacga cccggggcgt ggtgcgccgc tggccaaggt gaccttccgc 240
caccggttca ggtacaagca ccagaaggag ctcttcgctg ccgccgaggg tatgtacacc 300
ggccagttcg tctact 316

<210> 2302

<211> 397

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096c04b1

<400> 2302

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tccggggcgg tgacctgcgg cgacgtgacg tccgccatcg cgccgtgcat gtcatacgcg 120
acggggaagg cctcggcgcc gtccgcgggg tgctgcagcg gcgtgaggac cctgaacggc 180
aaggcgcca cctcggccga ccggcaggcg gcgtgccgct gcctcaagaa cctggcgggg 240

tcgttcaagg gcatcagcat gggcaacgcc gtcaccatcc cgggcaagtg cgggggtctcc 300
gtctttttcc caatcaacac caacgttaac ttgaacaaca ttcactaagt tatctgtcag 360
catcatcaca ccaggctcta tatggatagc tagccga 397

<210> 2303
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096c09b1

<400> 2303

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ctccttagta ctgaaagaat gctgtgattt ttcttgaatg tacaagatct gtacacgctg 120
ggtcacggtg ctcaggcggg caacgcgtgc caaggcgcgc ttccgatcta gtataggtgg 180
ttgaaggcgc gatcgaggaa ggccctggctc ggtctcgggc ggccatccgc cgggcgactc 240
gcgcgcccag ggacgagagc gtccgccgga tacggagctt cagggacgtc ggcgacgctt 300
ttgcg 305

<210> 2304
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096d03b1

<400> 2304

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cattctatca tacacagcat agcagcagtt ttctgcgaat ttttatgtcc acagtggttt 120
ctcttcttcg agtattacaa ttaaaccggg actacttga tagctaattct attctataat 180
ccagctagag agacagacag ctcttggatt caccactcac tgaccaagac cttgtcttct 240
tgatcaagtg aaccctccgt gctttcgcga tattccagat 280

<210> 2305
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096d11b1

<400> 2305

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ttgatcacat caagaagaag ttccaactgc tatctagttg tcaactccaa gaggctgaat 180
ggttgacaaa aatcacaaag ccaggtttg aagataaatt gcatttgggt gccatgtccg 240
taggcgcggt agggctatgc gtgtatatga tggcttgcat gggtgataaa atgcccaagg 300
gagcactgga gtgggcactt gcataccccg atgtcatcat ggcattgtgcc aagattgggc 360
gcctaataaa tgaccttgc 379

<210> 2306

<211> 389

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096e05b1

<400> 2306

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accatggcga ccggtatcca gtttgagaac aactgtgaag ttggtgtttt ctccaagctc 180
acaaatgcct actgtctggt tgcaattgga ggatcagaga atttctacag tacatttgag 240
tctgagcttg cagatgtcat tcctgtggtc aagacctcta tcggtggcac tagaataatt 300
ggtcgcctct gcgttggaag caagaatgga cttctcttgc cacacacaac cactgatcaa 360
gagcttcagc atctgaggaa ctgcatacc 389

<210> 2307

<211> 375

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316096e12b1

<400> 2307

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ccggcgagat ggccaacccg aggggtgttct tcgacatgac cgtcggcggc gcgccggccg 120
 ggcgcacgt gatggagctg tacaaggacg cggtgccgag gacgggtggag aacttccgag 180
 cgctctgcac cggcgagaag ggcgtcggca agagcggcaa gccactgcac tacaagggca 240
 gctcgttcca ccgctgatc cccgacttca tgtgccaggg cggcgacttc accaagggca 300
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 agcacaccaa gcccg 375

<210> 2308
 <211> 310
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316096f05b1
 <400> 2308

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 gaaaaatgca tatgaggatt ttccggaatt gttgcttggt tttttcggtc taaattaaac 120
 ttgcctaaac aggtagttta ctcatgcttc acctcttgcc atgttaacca acatttaata 180
 ttgatgagta gctaaacgag aatgaactaa ataattgttg tgcattatga gctgcactta 240
 atctgtttta ttgtttgttg caccttgcca tgccatgaat cattaaaccg gacattgcat 300
 cacactcgat 310

<210> 2309
 <211> 348
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316096f12b1
 <400> 2309

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 tgctggccgt ggcagtgatc attcggggcg cggtgctgat gctccgcccc cagaagctcc 180
 agttcaggct ctccgggggc catgtggcag tcgactcgat cccgtcgatg ccgccgcctg 240
 acaacgtcgt gacgctcacc ttcgccttcg tggcctacaa cccagcggg cgcgccctcg 300

gcgagtacaa caacgtcacc gtccggctca cggacatcac gagcgcg

348

<210> 2310
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097b05b1

<400> 2310

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ccccgacgtt gaggccaccg ccggcgccgc cgccatggtc atgcccaccg cctcccacaa 180
ggggagctcc ggcgggttcg agactgccgg cggggagacc ggcggctgcg actgcaccac 240
ctgcaagtgc ggcacggcct gcggtctgtc ctgctgcagc tgcaactgag ccggcgccca 300
ggaggccggc cggcgaggcg agcacgagga tgaggaggac aactggacaa gcaaccacca 360
ccaccaccac cac 373

<210> 2311
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097b06b1

<400> 2311

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tccctggaga acggcacgaa accggagttc gggctggccc cgcagggcgt cgagcaggcg 180
cgctccgccg gcgagtcgct ctggaaggag cttgaggaga tgggtgtgcc ggtggactct 240
gtcaagatcc ggtactcacc gttctcgcgg acgacggaga cggccagggt ggtcgccggc 300
gtgctgggcy tcccatttga gggctcctagc tgtaaggta ccgtggaact tcgtgaacgt 360
tatttttg 368

<210> 2312
<211> 364
<212> DNA

<213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316097b10b1
 <400> 2312

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attgagaagt tgctcaacta caacaccctg gagaagacgg agacaagttg aagttaattg  180
aaccattctt gcctcgaaac ctttgttctt ttgtactttc caagatgctg tttcttgctg  240
cagtgccttag gaggtgcaaa gtgaggcact gaaatgaagt tggtttgctc atgaatctcc  300
aaggactgtt agtgtgacca tgcgtttcta ctatgtgatc ttcaaggcta tattaaccaa  360
caag                                              364

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<210> 2313
 <211> 355
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316097d09b1
 <400> 2313

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gggtccgagt acggcgcatg gagctataac agtggtcctt ggatgtgcta tccttttcag  180
gccttccagg tgcccgcgct ccctggctgt cgtccattgc tgaagctcca gtgcaatggc  240
agccaggtgc ccgaggccgt cctaaggacg tgctgccagc agctcgccga tatcagttag  300
tgggtgcaggt gcggtgccct ctacagcatg ttggatagca tgtataagga gcatg      355

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<210> 2314
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 <223> Clone ID: uC-tsfl9316097e04b1
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ctggacaaga atctgatcaa ggatctctct acacaaatca agcctagact agaggacccc 180
caatggtgca agataactag gaacaagaag gcgactgatt tggctgcgtc ggtggttatt 240
cttgctactt ctgctctcac ttactgcgtc ttgacagctg gtcctgaaat agtaaagtat 300
gatggacatc ttgttactgt tgagagtctg cccattctac aaggacatga gcctgctgct 360
actgctaagg gagttcacia gcaagatgtg cagaagtga ggggttgaag aagagatgca 420
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<210> 2315
<211> 372
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316097e08b1
<400> 2315

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atgccaacag cagccacaac aacaggtgaa cacatgcgct gctctcctgc atcagtgtag 180
cccgaacca tatgtccagt cacaaatgtg gcaggcaagc ggttgccagt tgatgcggca 240
acagtgtgca caaccgctgg cccagatctc ggagcaggct cggtgccatg ccgtctgcgg 300
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gcaagggcaa ag 372

<210> 2316
<211> 385
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316097e10b1
<400> 2316

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tttcccgtga gcaataggct tgcacggaaa tcggatgaga agtggcacta tactgattca 120
agcgcacgtg aaagcgatag acattcaagg aaaccaagag aaaaatcacg ctactctgat 180

CCAGTCTGCTT CTGAGTATTC CGATTCCGAT CGGCCTTCAC GGAGATCGAA TGAGAAGCGA 240

ccaagtgctt ctgagtattc cgattccgat cggccttcac ggagatcgaa tgagaagcga 240
cactatactg acttgagtac acgtgaaagt gatagacatt caaggaaacc gaagggaaaa 300
tcgcgctgct ctgatcaaag tgcttctgag tattcagatt ctgattggcg taatagtcatt 360
cgccgctgctc gaagaaagtg agtag 385

<210> 2317
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097e11b1

<400> 2317

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agtgtggaag gataacaggt ttaaactgca agagtggaat ggacttggag caagtcagct 180
ggcctgacat gggcgttcac ggagcaagaa atctcgcgca gctacaacag cagttctggc 240
atggtgattt ggcacatcca catcagccag cttcacagtg ggaaaaacgg ggggatgtac 300
aaccctctgg ctttagcaac accagttctt ctctcttcgg ctacgatctc gcaagctctg 360
gaccgcagca accgccaaca agcaagctaa aagcagagct gtgagctaca tcagtatatt 420
gcaggccagg agagcgagct acaca 445

<210> 2318
<211> 314
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316097f03b1

<400> 2318

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ggccaacgcg tggtagccg gcggggaccc ctcttcccc accgagatcg ccgacctctg 180
cgagggcatc tacggcacg gcggcgggcg cgcgtacacc ggccagctgc tcacctacg 240

gcgggtccggc gcgtcgtaca acctgaacgg tgtcggcggg cgcaggttcc tgggtgcagtg 300
ggtgtgggac ccct 314

<210> 2319
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097f08b1

<400> 2319

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gcagagcagt cgaaacgagt acctcaaact gaaagcacga gtggagaatt tgcataaac 180
ccaacgaaat ttgcttggtg aagatctcgg gtcactcggc atcaaagatc tggagcagct 240
cgaaaagcaa cttgattcat ccttaaggca cataagatcc acaaggacac agcatatgct 300
tgaccagctc actgatctcc aaaggaagga acaaagctg tgtgaagcga ataagtgcct 360
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<210> 2320
<211> 417
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316097f11b1

<400> 2320

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tccggaagga tgctcgcgc ggggttgctg gcggtttcga gcaaggtgga cgtggccatc 120
gacctcggga acccgctcct caaccgcacc gtcgacntct tcctcaagat cggcgccgctc 180
ggcgctgca ggggtggcgc cgaggacgcc ttcgactgcc tccaaagtgg gagtgtctcg 240
aagcgcaagc ttgagaagac actggaaaaa atgtgcaagg agggcgcata ttgggggtgct 300
gttgctggag tgtatgtagg catggagtat ggagtggaaa gggccccgg agagtatgac 360
tggaaaaaatg cattgattgg aggcacgca agcggcacc tgatctctgc tgctagc 417

<210> 2321
 <211> 405
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316097f12b1

 <400> 2321

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 acgtcagcag atgcactcca gtgggcatg tcagagctta tgaggaaccc gagagtgatg 180
 cataaagcac aggccgagct gcgcgacaaa ctcggcggga agcctaccgt gaccgaggcc 240
 ggcttgccg acatgaccta cctgaagctc gtcgtcaagg agaccctgag gctgcaccgc 300
 gcgctgccat tgctcgttcc aaggagtgac aacgagacgt gcaagatcat ggggtacgac 360
 gtgccc aaag gcttcgtcgt gttcgtgaat gcatgggcga tcggc 405

<210> 2322
 <211> 462
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316097g06b1

 <400> 2322

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 cagagatacc ctggttgatg attatgagtt ggatgcatca ggctccatgg gctctatttt 180
 tgatactttg gcggcaaagt tgttgccgc agcagacaag tatgacttag gaaggttaag 240
 attgctatgt gaatcttact tgtgcaaagg catttctgtg gcctcggttg caagtactct 300
 tgcatgggt gatagtcacc atgccatgga gcttaaagcc gtttgccctaa aatttgctgc 360
 agaaaatctt tcagctgtga tccggactga cgggttcgat tgctcaagg ataattgccc 420
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<210> 2323
 <211> 353
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
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<400> 2323

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ggcgggttgat gtgggcggga gaccccgctcc gcgcggacac cattggcata aattcctggc 180
ggtggctggc gccaggacaa atatgatgct cgattcatcc gactctgact cgggcgctcc 240
tgctgggcag ctgcagctgc agcgccgcgc ggttgctgct gggacccatc cgcaggatgg 300
agggtacgcc agtgccgggtt ggcagaggga agatggtaaa ctgaaatgtg ggt 353

<210> 2324
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097g12b1

<400> 2324

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ctggatggtc aagttccggc caggattcag ctacttcgcc ttcttcgccc tcaacctcta 120
tggtggcgtc tccgtcatcg agagcctcat gatgatcatc tectcccttg tgcccaactt 180
cctcatgggg ctcatccttg gcgcggcggt cattgggata atgatgctga cgtctggatt 240
cttcgggctc cttccggaac ttccaagat tttctggaaa taccagtggt cctacattgt 300
ctacggctct tggggtttga aggtgacata caagaacgac ctgctcgggc tggagttcga 360
gccgatgacg ccgggaggcg agaagctgac cggcgagttc atcatcacca acatgatggg 420
gctgagcgtc agctact 437

<210> 2325
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316097h05b1

<400> 2325

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 tcgttgaaac cattgagctg cagattggtc tgaagaacta ttacccgcaa aaggacaagc 180
 gtttcagtgg ttctgtcaag cttcctcaca tccctcgccc aaagatgagg gtttgcattg 240
 ttggtgatgc ccagcacgtt gaagaggcag ggaaaatggg cctagactgc atggatgtgg 300
 aatcccttaa gaagatgaac aaaaacaaga agctggtaa gaagcttgca aagaagtatc 360
 atgctttcct tgca 374

<210> 2326
 <211> 304
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316097h08b1

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 ggtggccgcc gctgcagccg tcggcgccgg cggcttcntc ttccactagc accactagaa 180
 gaagcaggac cacaaggagg ccaaggaggc cagcggcgag aagaagcacc accacttcgg 240
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 acgt 304

<210> 2327
 <211> 374
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 aaggttggga agattggaga tgtaaactct gttaaagatt ttgaagccat gctggcagag 180
 agatctagct caatatgggt tcagaaggca attgaagaga tgaagaagta cacgaccaat 240

ttggtagaga attctcttca aggagattat tacgaaaagg cactcaagtg ttttgttgct 300
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 ctttatgaga gact 374

<210> 2328
 <211> 371
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316098a11b1
 <400> 2328

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 gtgtcatagg tgatgttaca gcaggcaatg ctctggaggt tcttcgtcag gtggatgaga 180
 tatttattca agccattaaa gatgcaggcc tctatgatga aatttggcaa gcttttgctg 240
 tgtttttgcc tgtccagaca gttgggggtcc agggtgacca gagaactcac tcccatgtgg 300
 ttgctctaag ggcaattact agtgaggatg gcatgactgc aaattggtat gattttgagc 360
 gcccgttcct g 371

<210> 2329
 <211> 399
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316098b08b1
 <400> 2329

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 agatcgatga cgaccagaag ctgcggaacc tttatgacaa gagaatctcc caggaggtag 120
 ttggtgatct tctgggtgag gaattcaagg gttatatctt caagatcatg ggtggctgcg 180
 ataagcaggg cttcccatg aagcaagggg tgctaacttc tgggcgtgtc cgccttctgc 240
 ttcacagggg cacaccttgc ttccgtgggt ttggcaggcg taatggtgag cgcaggcgaa 300
 agtccgtccg tggttgcatt gtcagccaag acctgtctgt tatcaacttg gtgattgtca 360
 agaaggggtga gaatgatctg ccaggcctta ctgacactg 399

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<210> 2330
 <211> 339
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098b10b1

<400> 2330

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 acggcttcga ccccttcggc cttgggaagc ccgcggagta cctgcagtac gacgtggact 180
 ccctggacca gaacctggcc cagaacctgg cgggcgagat catcggcacc cggttcgagg 240
 acgccgacgt caagtccacc ccgttccagc cctacgccga ggtgttcggc ctccagaggt 300
 tccgcgagtg cgagctcatc cacggtcgct gggccatgc 339

<210> 2331
 <211> 312
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098c07b1

<400> 2331

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 tactttcgtc acttcagatg cccaattatc cttcacttga ttacaatact tgaataactt 180
 cagatgcttc gacatagtag ttatgatatt atcgtagaat ggagacttct attatggagg 240
 agtcattgaa caaatgttgt attttggttg ccaacctatg ctatatttgt gcttatgatg 300
 cgttcttgaa tt 312

<210> 2332
 <211> 466
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098e01b1

<400> 2332

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tcctccagct ttcaccgagg ctagaagaac tcactttgat gcataggccg cttgatgaag 180
gagcggaaat agattgcatg ccaattgacg ggatgacctt ccggtgtcca ctccttgaaa 240
gtgttgatcat acaatgttca gaggggtgatg gaggaatcga taagctgcta agtgttctgg 300
tagtcaatgg gattagtcta gacaatataa atattgcctt ctatgatgaa attgaaaagc 360
gggaccgtgc ggagaggata cgtgccgacg aggaacggtc gaaggagctg cgcattctcg 420
agaagagggt gaagagaaat ccagaatgga gagagtatga tcctta 466

<210> 2333
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316098g04b1

<400> 2333

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cgatccacag ttgttcggtg taatgcctaa ggagaaaaca atgtctctct cacttttggt 180
tttcgaaaga cctacctatc atcttgccgc tgctgctgta gagtggctcc atctgcagat 240
gggggaggtc tcgaccagca gctgggagaa gtctcgacct gcacctggtc acgcgtgcca 300
ctgccactta ggtccaccac ctacagctgg cgccgcagtg cctcaaccat tcaactatgc 360
cacctcagca gttcaatata tattggagaa gaagaaaaaa caacagt 407

<210> 2334
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316098g07b1

<400> 2334

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tcgtgctctg gaagtgggtgc gagggcgaca accagcgctg gaagatcctc ccctggtaga 180
 tgagatgcca ggagagcttt cgcattgcca tcgacacatc gccatggatt agtccgggga 240
 caagcccccc cgccccgagt cgtcgtccgt ccgtccatcg tcgtcgtagt agtcctctgc 300
 cgctggtagc gaataatgtt gctgtgtcca aataaaaccg tgtgcgatgt gtggcaatgg 360
 tgtctgtgtg cgtccgctgt gtgtcgcctt gtgattgaat gattgagccg gcgt 414

<210> 2335
 <211> 416
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098g12b1

<400> 2335

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 aggggtttga agcatatgtc ggagtgttgc ttcttcagac cgcgtggcac gggctcacct 180
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 ggcccaggca ggagcctggc cagagccgtg cgaatgcct gcatcaaaat tgacaatcca 360
 gtctggtgtc acccctccat gcctggaatg gagacatcaa cactgacaaa accatc 416

<210> 2336
 <211> 179
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316098h07b1

<400> 2336

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 ttgccttgcc atggcagcag cagcactgag ggcgcacctg aacgatcata tcgccagcat 120
 gtacaccgat ggtgtgggag acgaggacac gttcagaggag ctgcgggacg agggcaccg 179

<210> 2337
 <211> 312

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316099c05b1
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 aggcaaggag cgcaggaggc tagatatctg tggagctgaa tgttggaaca acgaagtaac 180
 caacgagtgg cttcataact catttcaatt gcagtatgcg tgcttctctt ccatcatctt 240
 ttaagcatgg actaaccgtg gttttagca cattgagttt ttgcaacacc gatagacatg 300
 aaccactccc tc 312

<210> 2338
 <211> 210
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316099c12a1
 <400> 2338
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 ttataatatt atgtgcatgg gcatatacat agccatgggt aggatttaca tacgagcatg 120
 ctttctagag ttatgttggg aacatggaca tacacatatt cttatttttag gaacaaacaa 180
 gaaagattaa tggaaaagga aaacccaaag 210

<210> 2339
 <211> 370
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316099c12b1
 <400> 2339
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 cgtcagccgc cgctccaacg gcgctagcct cggcagcgtc agcaacggtg gaaggatcag 180
 gtgcatgcag gtgtggccca tcgagggcat taagaagttc gagaccctgt cctacctgcc 240

accgctcagc acggaggccc tcctcaagca ggtcgactac ctgatccgct ccaagtgggt 300
gccttgccctc gagttcagca aggttgggtt tatcttccgc gagcacaacg catcccctgg 360
gtactacgat 370

<210> 2340
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316099e10a1

<400> 2340

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tacacctagc aaaccagata acgttattga tgcggtgatt ctatagctc 169

<210> 2341
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316099f03b1

<400> 2341

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tcgatggcgg caggacgatg tactccaaca ccaccgacga ctgctacgac gccggcaagc 180
acgggcacgg gcacgggcat ggccatggcc atggcggggc aaacatgtac gctaacacca 240
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atgtactcca acaccgtcga cgaggagtgc ttcgactccg g 341

<210> 2342
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316099g04b1

<400> 2342

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 aaaacaaaaa aaaaaaaaaag gggggggccgt cctagaggat cc 102

<210> 2343
 <211> 421
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100b08b1

<400> 2343

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 aagcctccgc catgccgaaa tccaagcgca atcgctcagt caccttgtcc aagaccaaga 120
 agaagcctgg tctagagcgt aaggggcaagg tggtcacgga gatcaaagac gcgattgagc 180
 gccacagcag cgcctatgtc ttcaccttca acaatatgag gaatcagaag ctcaaggacc 240
 tcagggacca acttaaatecc tctagccgga tattccttgc tggaaagaag gtcattgcaga 300
 tagcattggg gcggtcacct gctgatgaag ctaagacagg cctgcataaa ctctccaagt 360
 tccttcaagg tgcttctgga ttgttattta caaatctccc agggatgatg ttgagagatt 420
 a 421

<210> 2344
 <211> 469
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100c10b1

<400> 2344

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 gaactcactt cccttgctac tcctgggtcaa gttgaccaa cccaactgga acgtgctaaa 120
 gcatttgcaa aatcagctat cttgaagaac ctggaatcaa aggcattcaac aactgaagac 180
 atggggcgcc aagcattggc atttggtgaa aggaaacctg tggagcagct tcttaaggct 240
 gttgatgcta taactctggc agatgtatca actggttgctg agaagatcat ctctgcacca 300
 ttgacaatgg catctcatgg aaatgttctc aatgtaccag cctacgagac agtgcggtggc 360
 aagttcagct cgaaatgagg aggccttctga acaagttaac tgttcatatt taattttctc 420

caagacctgg tcacatTTTT cacaagaaaa ataagatgca tacaatTTTT

469

<210> 2345

<211> 325

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100d02b1

<400> 2345

aatttcactg catgggttgg tctccgctgg attgtgacca actctttgtg tgtggcctgt 60

cccggttctt tgtggttctt tgcgcctgct cggctctccc aagacatcag ataaattctt 120

gtgaatctga tcagcatcat cttatcgctg atgtagcatc tgtagtctag atatttgaaa 180

gagtatgtga tcgaaggcat tacctcatca ccccatagcc cctctgtata gtgtcttgtt 240

agaggaatat gtggaatcgt gttcgttggg tgatcaagca cagctgcagg tcaaataaat 300

cttaagctgc caattcttat tttcc 325

<210> 2346

<211> 375

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316100d05b1

<400> 2346

gcgttatcaa ccacttcaac taccaaggct gccgcgggta cgtgtcggac gcgaggggcg 60

cccgggtgccc gtcctgcggg aacgagatgg cgaccgagac ccagtacgtg ccgccgccgg 120

cgccggccct gccggagcag agcgccgcca cggcgaagac ggggtacgtg cagggctccg 180

tgacgtacac ggtgacggac gacctggccg tgacgcccat gtcggcatct cagcatcncg 240

cggctcggcg ccctcgccgc cgtcgggggc ctgcgcgcgc tccaggagaa gaccgtggag 300

ctcgggtaca gggagggcct ggagatcctc aaggcctcgc tgcggtccaa gactgtcctc 360

acggacgtct tcctc 375

<210> 2347

<211> 343

<212> DNA

<213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316100d10b1
 <400> 2347
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 cccttcatgg acatccacag ctgacgcaat ggcaactctg aatggcaaaa aactcaacct 120
 gacatctgca ggtgatttcc tcacgttgac aaaactctgg ggcgatgata ccttagtgct 180
 ccaatttccc attaacttga gaaccgaggg aatcaaagat gaccggccgg agtatgcgtc 240
 catccaggcg gtgctgatcg ggccgcacct cctcgccggc ctgacacacg gcaacaaggg 300
 ccattaacgc gaccgagcac tccaacgacg gcctgacccc ggg 343

<210> 2348
 <211> 102
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316100e07b1
 <400> 2348
 aaaaaaaaaa aaaaaaaaaa aaaaaagaaa aaaaaataaa aaaaaataaa taaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaacaaaa aaaaaaata gg 102

<210> 2349
 <211> 429
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316100e10b1
 <400> 2349
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 ccatggcccc caccaagaag tcgaagaaga gcacggagaa catcaacaac aagctgcagc 120
 tggatgatgaa gagcggcaag tacacgctcg gctacaagac cgtcctcaag acgctccgga 180
 gctccaaggg gaagttgatt atcctcgcaa acaactgccc tccgctcagg aagtctgaga 240
 tcgagtacta tgctatgctg tccaagatca gcgttcatca tttccatgga aacaatgtgg 300
 atcttggaaac tgcgtgtggc aagtactacc ggggtgtgctg tttgagcata cttgaccctg 360

gtgactcgga catcatcacc accgttcctc agtgaagaca agcttaccta tcctagccta 420
agatgatgt 429

<210> 2350
<211> 394
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316100g05b1
<400> 2350

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acctcgctgt caccgccagc atcatgccgc gtcccgtgga aggttagctg catgcatgcg 120
gcgcgggtgc atgtgccaga ggaagatgga tctggagagt cacgaattgg attaaaactg 180
gcatgcctta tagtatatac cctaaataac aagggcatgc gttgtgtcga gtgttatatt 240
gtgtctttgt gttgatcatg gatttccccg gttatgtgaa catgttttac ttactcagt 300
atagaagcat ttgaggggtg gagctgttat gtgagactct atttcgtgag caacttctcg 360
aagggtttat ctatgcatga ccttatcttg gttt 394

<210> 2351
<211> 326
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316100h03b1
<400> 2351

gagaatagaa aatacacaaa agatagacca cgattgccgg catcgagccc gacgaggcgt 60
cggaggtgcg acaaagatga ggaagaagct gggcaccggg ttccccgagg cacggatcaa 120
aaagataatg caagcagatg aggatgttgg caaaattgca ctggctgtgc ctgttttagt 180
ttcgagagcc attgaattgt ttctgcaaga ttgatcgac cactcataca aaattactct 240
tcaaagtggg gcaaagacac tgaattcctt ccacctaaag caatgtgtga agaggtacag 300
ctcttttgac ttctaactg agattg 326

<210> 2352
<211> 462
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316100h10b1

<400> 2352

gtgttccatg atggcacaaa gatggcatgc tgggctctac cagagctttc aactttccaa 60

gataaattag ggagagaggc ttatgataag gtagatgtca taggtatcga tgaagcccag 120

ttcttcgatg atcttcatga tttttgcagc aaagctgctg atcatgatgg aaaaatcatt 180

gtgggtgcag ggctagatgg tgattacaaa aggaacaagt ttggctcagt tctggacatc 240

attcccctgg ccaactcggc caccaagctg acagcacggc gtgagttgtg cgatcgccgg 300

gcgtccttca cattgaggaa gacacaggaa accaggactg aactcattgg tggagccgat 360

gtgtatatgc ctgtgtgcag gcagcactac ctggacgggc agattgtcat cgaggccaca 420

cggattgtca tggatattga aagatccacg gaagtagctc gc 462

<210> 2353

<211> 322

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316102b07b2

<400> 2353

tctccatatc cacaaccgca accacagtat ccgcaaccat attaaccaat ttcgcagcat 60

caagcacaac aacaacaaca acaacaacaa atccttcaac aaattctgca acaacaactg 120

attccatgca gggatgttgt cttgcaacaa cacaacataa cgcatgcaag ctcaacaagta 180

ttgcaacaaa gtagttacca acagttgcaa caattatgtt gtcagcaact gtttcagatc 240

cccagagcgt cgcggtgcc agccatccac aatgtcgatc atgctattat tctgcatcat 300

cattaacaac aacaacaaca ac 322

<210> 2354

<211> 322

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316102c11b2

<400> 2354

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 ggggcctggc cggcagctcc atctccggcc gcaagctcgc cgtccggccc gcctccgccg 120
 ccgtctcccc ctcacgcgc agggctcgcg gggcggcggg ggtggccaag tacggggaga 180
 agagcgtcta ctctgacctg gacgacatcg ccaacacgac ggggcagtgg gacctgtacg 240
 gcagcgacgc ggcgtcgccc tacaacggcc tgcagagcaa gttcttcaac accttcgccg 300
 tgcccttcac caagcggggg ct 322

<210> 2355
 <211> 375
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316102e02b2

<400> 2355

tgctgnnagt gcagcagacc agttctacac ttccaacgca cgcaagaaaa tcctccaggt 60
 tcatctacag cataggaagc ggggagatgg aaggagcag cagccggacg ccagagataa 120
 ccatcgtccc ggcgcctagg ccggcggcgg gcggtggcgg tggcgggtggc gccgtggacg 180
 cgggtgaaggc ggcgagcaag gagcccatca gcccgggctc gccttccccg gccagcaagg 240
 tgcgccccgg cgccgtctcc ctgcccgggg ggaagctcga ctccctctgc aaggagtcca 300
 gctcgccgcc ggccatgatg gcgcgcttcc cctatttctg aagccacgcg ggcatccttg 360
 tcatcctttg ctagt 375

<210> 2356
 <211> 356
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316102f03b2

<400> 2356

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 tgggtgtgaa gttaagctgg ctgcaagtct tgctcgacca cgtcgggaaa tacaactgga 120
 caagaagagt gctaaagggt ggggtcaagg caatagtgac gcaacttcta aagacaccaa 180

caattctatt aagaaaaaga accagaatag ggaggtcgaa gtgaagaagg attcaccaca 240
 taaattgcga aaaggtgatg tgagcaagct gacctcacat gttgatgcga aagtaccaca 300
 atcatccaac ccatcgaaag gcaaacggaa agctggaaag actgaaaata ccgctg 356

<210> 2357
 <211> 193
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316102g07b2

<400> 2357

tcaccagcg ccagttttgt gaagctgtcg gacatgggct ccgaggagtg gaatgcgttc 60
 ctcgacaagt tccaggagct cctccccgagc gccttcgaag cacggaagca cgctgctggc 120
 gccggcccgcc gcccgctgca gaggctggga acttcttgcc agttttgaag gtagcagtac 180
 gtacccaaag gta 193

<210> 2358
 <211> 236
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316102h07b2

<400> 2358

tcggtggaga agctgataac atcaaagatg atacttgctg ggtcgaaccg gagacttcat 60
 tccgtgcacc gaaactctgg cttggctgtg gctgggttag cagcagacgg taggcagata 120
 gtctcaagag caaagtcaga agcagccaat tatgaaaagg tatacggaga acccatgcct 180
 gtaaaggaat tagctgatcg tgttgctagc tatgttcac tgtgtacact ctactg 236

<210> 2359
 <211> 272
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316102h11b2

<400> 2359

tggtgctgga gaacggcgtg ctctgggaag tcgacggtca ttgggtcggt caaggagcag 60

ttgatgtgga cattggagcc aatccctctg ctgaggggtgg tggatgatgat gaggggtgtcg 120
atgaccaggc cgtgaaggag gttgacattg ttgacacctt ccgtcttcag gagcaacctg 180
cttttgacaa gaagcagctt atctctcaca tgaagcgcta catcaagaac ctctctgccca 240
agcttgaagg ggatgaccta gatgttttca ag 272

<210> 2360
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105a10b1

<400> 2360

gtttgtttca cattgtgtgg tttcctatat gatgatgcga ttggttgatt gattctgcct 60
gggttggttg gttggctggt gttgtatact gtcctctggt tatacaggtc tgctcaaagt 120
gtagcgtgac tgagtcgagc ggtaagaatt gaattgcgat gggaggaact ctgtttttgt 180
cgagtcggag aaggcgggtgc ggggtgcgcgc cttgtaggtt ataggaagtt gaggtcggtc 240
ggtcgagtca aaatttgtat tggctggttg cagtggggtc t 281

<210> 2361
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105c09b1

<400> 2361

gttatttctt cgctgaacag tgctttgatc tgctggaaaa atgctcccaa cctaccagca 60
aagaactttc atgcattgac aagggttgat gaaaatagag ccaagtgtca gctagcggtta 120
aaagctggtg tgttttatga caaaatatca aatatgacta tttggggaaa ccattcaaca 180
actcagggtc ctgatttctt gaatgccaaa attaatggga ggccagtaaa agaagtcatc 240
aaagatacaa agtggctaga agaggatttc actataactg ttcaaaagcg tggaggtgtg 300
ctcatccaaa agtggggctg atcttcagct 330

<210> 2362
<211> 284

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316105d06b1
 <400> 2362
 gatatgttga acttcttgag gaatgcaaca taaatatccc ttcattggtt tccttcaact 60
 caaaagatgg agttaatgtt gtgagtggag actcattaat cgaatgtgct aaaattgcta 120
 atgaatgtgc aaaggttggt gcagttggca taaactgcac acctccaaga ttattcata 180
 gcttgatact ctccattcgg aaggtcacag acaagccaat tctgatatac cccaacagtg 240
 gagaaagata cgatgctgag aaaaaggagt ggggtggaatc cact 284

<210> 2363
 <211> 313
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316105e04b1
 <400> 2363
 cgttttgttt gggagattcc tgatgtgcag cctggatgca tcattcagat gagattgcaa 60
 gttcctgaga acaaacggcg agagtctaca ttgaaagga ttgtgatagc aaggcgcaat 120
 gctgggataa atacaacctt cagattgcgt agattagtag ctggtgtggg agtcgagtcc 180
 gtctttccac ttactcacc aaacatcaaa gaaatgaaga tcttgacag gaagaaagtc 240
 aggagagcta agctgtatta cctgagagac aggatgaatg cacttaaaaa atgaggcttt 300
 cggctaggat ttt 313

<210> 2364
 <211> 300
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316105e07b1
 <400> 2364
 ctccaactcg caccocgctg ggggcctcca cctccgctc cgcctgcgct gctgctgctc 60
 cgccagcgat ccggcgccga tggatgaaggc catcagggtc cagagctcg gcgccccga 120
 ggcgctgcgg tgggaggatg tggaggtggg cgagcccggt gacggcgaga tccggatccg 180

gaacaccgcc atcggcggtca acttcatcga cgtctacttc cgcaagggcg tctaccccg 240
 tccccctccc ttcacccccg gcatggaagc tgttggcgtg gtgactgccg tggggcccg 300

<210> 2365
 <211> 356
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105e10b1

<400> 2365

ggaaagagga ggtgggcaac gtgccgacgc ggcggatcgg gtccgcggcg ggcgccatag 60
 ccagcacggc cacgttcccg ctggaggtgg cgcggaagca gatgcaggtg ggcgccgtgg 120
 gcgggaggca ggtgtacaag aacgtgctgc acgccatgta ctgcatcctc gagaaggagg 180
 gcaccgccgg gctctaccgc gggctcggcc ccagctgcat caagctcatg cccgccgccg 240
 gcatctccta catgtgctac gaggcctgca agaagatact tgtcgacgag aaagaagacg 300
 gcggcgccgt cgagccccag gaggagacgg agaccggaca ggcaggagga caggcg 356

<210> 2366
 <211> 243
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105f06b1

<400> 2366

ccatgctgct gctcaggagg cgtacgacga ggacgacgag atgcctggag gcggtgcca 60
 aagagtgcag tgcgcacaac agtaagctag ggttgggcaa gctttttggg gaccaagat 120
 caagatgcct gcctgctctc tggggttttg gtggtgttat cgatgaagct gatttttgcc 180
 cgtttggcgc cggggctgta tccatccatg tcttttgaaa aatgctacgt ggctactctt 240
 aat 243

<210> 2367
 <211> 318
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316105f10b1

<400> 2367

tccgcgatat cacaaaatat cacatccttc cacatgagtt gctcttcgga atgatagcta 60

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taagggtcca gattctacat atgatatgat tggaggtctt gatcagcaaa tcaaggagat 180

caaagaggtc atcgagcttc ctatcaaaca tcctgagtta ttgagagcc ttggaattgc 240

ccagccaaag ggtgttctcc tttatggacc accagggaca ggcaaaacat tactggcacg 300

tgcagttgct catcacac 318

<210> 2368
 <211> 393
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316109d03b1

<400> 2368

gaaggggttg ccggatcttg gcctggagct gtgggattat ctgatcggga aaggatgtgt 60

acctcatagg catgcattgg atgttctggt taccggttta tgctgcagag atgtggtttg 120

tgaagcatat aggtgcttcc gggagctggt tgagatggga atggcaccta cagagcgtgc 180

attcagggtt ttggaagggt tcttgaagaa gaagcgggag tttgggaaga ttgacgagat 240

taggcaaagt atgaaggcta tccaattgga ggagcatcaa gctgaagaag aagctgcgtg 300

aagctatcaa cctcctgtg ggcccttttg aaaagaaaca tatttatttc ttggaccatg 360

taaaatttcc aagcctgcgt ggtttaagca aag 393

<210> 2369
 <211> 281
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316109g11b1

<400> 2369

tggtaatctc tgggatctct ttgttccaag caggggaact attcaggact agcttggtat 60

gtcgccggcc aaatcgaccg cacactgagc tggaaggtaa accaagaaga agaaaaatgt 120

cttacttgaa cttgacaact aactccattc gtgtatgaaa tttgttctag ttgccgtggc 180

tctgaactga agatgtagcc ttgtggtgca ggatgtgaag tggctgcagt ccattaccac 240
 gatgccgatc ctggtgaaag gagtgatcac cgcagaggac a 281

<210> 2370
 <211> 290
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316109h02b1

<400> 2370

attaacaagt ctgcccgaag gatgcccgat gtgatcattc ctgaggatct ggttgacaac 60
 attgcgctat ctacacgtca tgagatcaac agagcctttg caaacgtca ttcagattgc 120
 tcttgccgt gacataaaga aggtccttat ggtgattgct ggtctatggc tgctttccat 180
 tctcggcagt tgctgcaact tcttgacgct gatctacatt gtttttgtgg ttctgcacac 240
 agttccagta atctacgaga agtctgaaga tcagattgat acctatggtg 290

<210> 2371
 <211> 450
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316109h04b1

<400> 2371

ctctttcttg cggcactcac actacactca tccacgcaca agctaactca gcggcgtggc 60
 tcacttcagt ccagtcggca tggcggctcc caggggcgcg gcactggtgc tggcgatggt 120
 gctcgcggcg atgctggtgg cgcgcgggc gacggtgcac gccatatacct gctccacggt 180
 gtacagcacg ctgatgccgt gcctgcagta cgtgcagcag ggcgggtcgc cggcccgggg 240
 ctgctgcacc ggcatccaga acctgctggc cgaggccaac aacagccccg accgccgcac 300
 catctgcggc tgctgaaga acgtcgccaa cggcgctcc ggcgggccct acatcaccg 360
 cgccgccgcg ctcccctgca agtgcaacgt cgccctcccc tacaagatca gcccagcga 420
 cgactgcaac tcgatccact gaacgaactg 450

<210> 2372
 <211> 290

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316110a01b1
 <400> 2372
 gctccgatca agatcggcat caatgggttc ggccggatcg gcaggcttgt ggccagggtt 60
 gcgctccaga gccccgatgt cgagctcgtc gccgttaacg accccttcat caccaccgac 120
 tacatgacct acatgttcaa gtatgacact gtccacggtc agtggaagca ccatgaagtt 180
 aaggtgaagg actccaagac ccttctcttt ggtgagaagg aggttgcggt gtttggtctgc 240
 aggaacccat aggagatccc atgggctgct gctggtgctg agtacgttgt 290

<210> 2373
 <211> 372
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316110b02b1
 <400> 2373
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 gtcgctacca acatcgcgcc atactacccc tcgacagata tatctctcat cgccgtgggc 120
 aacgagatca tggacacgac cgacaagaat ctcatcggca agctcgtecc cgccatgcag 180
 atgctcaagg atgcgctcgt cacggctggc tacaacgaaa ttcgtgtttc cagccaagc 240
 tcactcagca tcctggtaga ctcccagctg ccgtccgagg ctcggtttcg cgacgtctgg 300
 gatgacgcca tcttcacgcc gatgctcaa tttctccggc agaccaagtc gccactcatc 360
 gtgaacatgt ac 372

<210> 2374
 <211> 429
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316110b04b1
 <400> 2374
 ggctttgtta accaaggcgc ctccaagac tcacaagagg tacaaccca agaagctgac 60
 ctatgagcag aggaaggcca gcctcgtcga aaggctcaac gccctcaaca actctgccgg 120

tgccgccgat gatgacgagg aggacgacga gtgaagagcg ttcttgtcca cccagtgta 180
gtattgcaac gtgcgttttt gttgaagtct ggcaccctgc ccaacgggcc tgttcctttg 240
agttttgggt atgtcgcttg agttatagat tgtgttatct ggattatgtg ccgtgctggc 300
at ttggatct taatcttaat cctttagtct ggcacccttt ctttattttt tgtggctgtt 360
ccatgctggg tggccttagg ttgacatgac cttcggtgag gtcttttcag cttattacta 420
accatacta 429

<210> 2375
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110c08b1

<400> 2375
gtagtccatg actcttctgc gcaccgctgg cgcgaggccg ccgctgggccc gtggcgctggc 60
cttgcgctgc acgccctgca gcagcaggtg atgcagcacc gtctcggccg cgctgctggc 120
ggccaggcgg tcggcgggcg cattccagtc ggtgtcgagc agggcccggc agacgtcggt 180
cagcgagtcg tcgtggatgt aggtgcggtc gcgcagttcg agcgagcgcg gttcgagtc 240
gagccgcctc acggcctcgc gcgccagccg ctccggcgcg atgtagagat gcaggaagtg 300
caccgtgtcg ttcattgcacc agcgcaata gtgctcgcc ggagcagcg agaatttgcc 360
ggcgc 365

<210> 2376
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110f07b1

<400> 2376
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aggagtgtt gagaaccatg aggagggcag gcgctacgcc gagcacggtc tcagagccta 180
tgtgcaggac aagacccccg agatcatgcc aggaatcaac aagttcttca ccagcccgaa 240

<210> 2379
 <211> 455
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110g09b1

<400> 2379

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ccactctggt tagtcaccag gaatctcttg aagccaaggt caacgagaca aaagctacag  120
tcaagttcca gctaaagaag gttctttgca tgggtgttgc tgtgggcaac ttgtcgatgg  180
acgagaagca gatccaacaa aacatccaaa tgagtgtcaa cttccttgtg tccctcctga  240
agaagaattg gcagaatgtg aggtgcctgt acgtgaagag caccatgggg aagcgtgtac  300
gggtgttcta agtgtgtgcg ctccagtga gttgataaga taccgggctt tcctgccgac  360
ccctgcttgt ctttggatta gatctgtttc actgatacca attttgtgtt tgcctaagcg  420
aatatcaaca agtatttaat cgtactagtc ttatc                                455
  
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<210> 2380
 <211> 408
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316110g12b1

<400> 2380

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tgagactta tatttcccag atccacattt ggctcaggtc tagtgtacca aatgggcagc  180
ccaaatggct tctgtctttc ataccgggct acccgatgct taacttcatg ctaacgacat  240
caatctatct tttgctatca taccgggtat ttgagatcac aaacgtgctg agggcagcct  300
tcattcccag cagagacaac aaccgcctgt accagaattt cgttgcgggg gttgccatct  360
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<210> 2381
 <211> 174

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316111c08b1
 <400> 2381
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 caatgtgtct cccaacccca acagcagttg cagcagcaac tcgggcaaca acctcaacaa 120
 caacaaatgg cacatggtac ctttttgcag ccacaccaga tagctcagct tgag 174

<210> 2382
 <211> 320
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316111e10b1
 <400> 2382
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 gagtggcaga ctgacacgtc agcgggaagcc gcgagaaaac gcatggagga gcagctgagc 180
 gcagcaactg ctgaaaaggc aatgcttgcc accgaggaga cggagaagaa gaagaaacag 240
 gccctgcaca aagagggcag ccccaaaggg acaccaaagg ctgaagataa tccaatggc 300
 aaccagactg ggcccaagac 320

<210> 2383
 <211> 241
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316111g02b1
 <400> 2383
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 ccatcgggct ccgtcaaggt tgctaaaatg gataagctca agggctctgc gcgtcttatg 180
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 c 241

<210> 2384
 <211> 263
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316111h02b1

 <400> 2384

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 atctacggac accatcacga ataactctgc cccgccgcc cgccgttcgt atgttggtgcg 180
 ctgctgttat ttttggttct tgtgtcatta ttccaggatt gccgcagttt acccccactt 240
 tccctttggc cttttgggtg tgt 263

<210> 2385
 <211> 269
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316114a01b1

 <400> 2385

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 gggaaccgtg aagtgggtca acgtcaccaa ggggttcggc ttcattctcc cggaggacgg 120
 cagcgaggac ctcttcgtcc accagtccgc catcaagtcc gacggctacc gcagcctcaa 180
 cgagaacgac accgtcgagt tcgaggatcat caccggcgac gacggtcgca ccaaggcctc 240
 cgacgtcacc gcaccaggag gaggagcgc 269

<210> 2386
 <211> 375
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316114b12b1

 <400> 2386

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ggtgacggcg gggttccatg tgtcggggcg gcacctcaac ccggcggtga cggtggcgct 180
gctggcgcg cggcacatca cggcggttcag ggcggtgctg tacgtggcgg ccagctgct 240
ggcctgctcc ctgcctgca tactcctccg ctacctctcc ggcgccagg ccactccggt 300
tccggtgcac accctgggca caggcatagg ccccatgcaa gggctgggtca tggagatcat 360
cctcaccttc tcct 375

<210> 2387
<211> 427
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316114c03b1

<400> 2387

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ttgattgaga ggacatctgg tgaatacttg gtgaagaatg gtgtccgcac cttcgcttgc 120
agtgaacag ttaagtttgg ccatgtcaca tttttctgga atggaaaccg ttcgggatac 180
tttgacgaga ccagggaaga gtatgtagaa attcccagtg acagtgggtat cacattcaat 240
gagcagccca aaatgaaggc acttgaaatt gctgagagaa ctcgggatgc tatcctcagt 300
gggaagtttg accaggtgcg tattaacctg ccaaacggtg acatgngttg gtcacactgg 360
tgatattgaa gccacagttg ttgcttgcaa ggctgctgat gaagctgtca agatggtctt 420
ggatgct 427

<210> 2388
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316114c05b1

<400> 2388

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taccagtgtg gccacaagat gtcctgatgt ctatatttgc acacctggag atccctgacc 120
tgatgcgtgc cagcttcgtc tgctcctcgt ggcgctccgc gtattccagc ctgcgcaacc 180

ttgagcagta ccagcaacgc cagacgccgt gcctcttata cacatctgaa tctgctggtg 240
aaagcggtgc gtgcctctac agcctcttgg agaagagggt catacaagtt gactctcccg 300
gagccacc 308

<210> 2389
<211> 433
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316114c12b1
<400> 2389

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gtgtgatttc atgtgcttcc caagaagtaa aagatctata caaccttatg gagcatgagt 180
tccttcctct ggatctagca tcaaaagtgc agcctctgct atccaagatt tctacgattg 240
gaggaaagct ttccgctgca tcgtcagttc cggaattcg tttatcacag taccaaactg 300
cattggagaa gcttactgca ctgaggggtgc tgcagcaggc atctcatatt ttccagtcca 360
tgaaaattga tatgctatct agaatgatcc cattcttga gttcattgtc gtcgagaaga 420
tcgctgttga tgc 433

<210> 2390
<211> 337
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316114d01b1
<400> 2390

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ttgcagacac ttacagcat agaaggctgg gatgcatatg ccctggcttt ccaagcagtg 120
gatgagcagg cgagcattga gtttaggaac cctggcatgg aggacgacc gacctgcggg 180
cctatccttg acaacgtggc catcaagaag ctcttctccc ccgacaaagc aaaggagaaac 240
atgngtgatc aatggagact ttgaggagg gccaatggat gtttcaaac acaagctttn 300
cgtgtcctgc tcccgcgaa ccttgacgag cagacat 337

<210> 2391
 <211> 244
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316114e01b1

<400> 2391

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 catgaccggc ctgtcgcagg gcgtgctgtc cccaggcccc gccggcaggc gcgccagcag 120
 gttcatcgtg agggcgctcgt cggcggaggc ggaggccgcc ggccgcccgc cggtccttgg 180
 cctcatggcc cagcggagtc gtcggagncg cgttcgtca ggtggtgcac gccggcaccg 240
 tcgc 244

<210> 2392
 <211> 308
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316114g03b1

<400> 2392

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 tggcccgcac gaagcagacg gcgaggaagt ccaccggcgg caaggcgccg cggaagcagc 120
 tggcgaccaa ggccggcgcg aagtccgcc cggccaccgg cggcgtgaag aagccccacc 180
 gcttcgccc cggcaccgtc gcgctccgcg agatccgcaa gtaccagaag agcaccgagc 240
 tgctcatccg caagctgccc ttccagcgcc tggcgcgagg agatcgcgca ggacttcaag 300
 accgacct 308

<210> 2393
 <211> 279
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316114g08b1

 <400> 2393

tgccaccatg agcggagtga cctgttgctt gaggttcccc ggccagctga actccgacct 60
 ccggaagctg gcggtgaacc tgatccccctt cccgcgtctc cacttcttca tggtcggggtt 120
 cgcgccgctg acctcacgcg gctcccagat gtaccgctcc ctcacggtcc cggagctgac 180
 ccagcagatg tgggactcca agaacatgat gtgcgcccgc gacccccggc acggccggta 240
 cctgacggcc tcggccatgt tccgcggaac gatgagcac 279

<210> 2394
 <211> 60
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316114h10b1

<400> 2394

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<210> 2395
 <211> 302
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116b02b1

<400> 2395

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 ggctgtggct tcttcgacct ctgccggcg ctggacgccg acgtatgctc caccagggtc 120
 cagtgcccc aacggcgctg ccacaggtac gtgacctacc accaggccga ggagcaccgg 180
 agcgctgctg cgcacgcgcc ctgccgctgc acggagcacg gatgcggcta actcggcgcg 240
 gcttcggacc tcgccgacca cctcagcgcc gaccactgcy tgccggtgcy ccccatccac 300
 ta 302

<210> 2396
 <211> 345
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116b07b1

<400> 2396

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gaggacctag cccagattac agcccgacat ctccaaacta cagccccagc gcaagctact 120
ccccgactgc accggggtac tccccgtcct acaccggccc gaagacaact gacaaggacg 180
atgagactgt tgactagaaa atggctgctg ttgggttggt tgatgcagaa cgatgccccca 240
cgaccaactc ttgtttcctc gagtgtccgg aacaggcgtg ttgatgtaag ctgtgatgct 300
aatagcagca ctagaatctg cggccgtagc tgggctgata tttaa 345

<210> 2397
<211> 452
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316116b11b1
<400> 2397

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gcaagaggaa gaaggacgcc gctgccgctg gcaagcccaa gcgcccgcc tccgcctttt 120
tcgtcttcat gtctgagttc aggcagcagt acaacgcgga gaacccaac aacaagagt 180
tcgccaacgt gagcaaggcg gcgggtgaga agtggagagc tatgtctgat gaggagaaag 240
caccttatgt ggaaaaggct gaacagaaga agaaggatta tgagaagacc aaagccacct 300
ttgataacaa ggagagtgcg agctccaaga aggccaagac tcagaacgat gaggagggtca 360
aatctgaggt cgaagatgag ggtagcgatg aggaaaatga ggacgatgac gagtaaata 420
tgtatcagat catgaggtag caaattgggt gt 452

<210> 2398
<211> 89
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316116e10b1
<400> 2398

ttaatatataa aaaaaaaaaa aaaaaaaaaa aaaaaaata aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaggc cgacggtttt ggggggggcc 89

<210> 2399

<211> 368
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316116f03b1

 <400> 2399

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agctctgagg aaccaggaca gcgtcggccc cgccaagcaa gggtcgatgc atgtgagggg  180
gccgacgccg gacctggagg aggccaaagat catggagacg atccagtcgg agctccacag  240
cctcaaggca ggcgacggca tttcccgcgc cttcagcagg atcacgatcg aaggtccatg  300
atgaccttgt ttctgtctca tatcgaagat cgtcatggat atgatccatg atgatcggag  360
tggtctga                                     368
  
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<210> 2400
 <211> 467
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316116f04b1

 <400> 2400

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agccaccatg attaatagat tgtctggcgg acagcttgac ccaagtattc ttgaagttgt  180
agctgaactt ggagttccat atgttaccat gcacatgaga ggtgatccat caactatgca  240
gagtgaacag aatttacagt atgatgatgt ctgcaaagaa gttgcttctg aattatatgc  300
acggttaaga gaagctgagt tgtctggaat tcctttgtgg aggatagttc ttgatcccg  360
cattgggttt tcgaagaaat ccaaacataa tcttgaaata atcaacggct tgggatccat  420
tagaaaagag atgggtaaaag tgagtttagg tgctttacat gtgccaa                 467
  
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<210> 2401
 <211> 141
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116g03b1

<400> 2401

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ctcagaaatg ctgtggaagg aggcagaggg caagcctgat tgggtgaagg atcttgatgc 120
tgtgggggag aatggggagg a 141

<210> 2402

<211> 362

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116g05b1

<400> 2402

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gccccctccc caccaggaa accagccatg aagggggcca aatccaagg cgccgtcaag 120
gccgacacca agttggcggg gaagagcaag ggggaggaga agccggccgt caaggggaag 180
aagggcaagg ccggcaagga ccccaacaag cccaagagg cgccctccgc cttcttcgtc 240
ttcatgggag agttccgcga ggagttcaag cagaagaacc ccaagaacaa gtccgtcgcc 300
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ta 362

<210> 2403

<211> 373

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116h08b1

<400> 2403

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gccgctcggc gagatccgag acccgctcta cccgggcggc agcttcgacc ccctgggcct 180
cgctgacgac cccgaggcgt tcgaggagct caaggtgaag gagatcaaga acggccgcct 240
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cgagaacctc gccgaccacc ttgccgaccc cgtcaacaac aacgcctggg cctttgccac 360 :
caacttcgtg ccc 373

<210> 2404
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316116h11b1

<400> 2404

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cttcgccctc gcagccagcc gctgtcgata ggggggaggt cgtcaccgcc ggctgctctc 180
tgccacgccg cttcgaccag agacaggtga gatggaaggt ttcgagttct tccagatcgt 240
acttgacaac tcctcgagca ggctgaggct gcctgacaag tttaccatg 289

<210> 2405
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316117a01b1

<400> 2405

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ttgatgtatt ctgacctctg ggccagagcg tgattaacgg ccaggatttc tctgatgggg 120
caatctaacg gctgtagagg atcgcttctg cctggctctc atgcctgaca gggtagccca 180
gaggttgtct gacagactac aaaacttttt a 211

<210> 2406
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316117b12b1

<400> 2406

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 cgggaccgtc aaccgcttcc tcttctcctt cggcgaccgg cagtcgccc cgaggccgcg 180
 cccggacgcg cacggcggtt gtcgcgcga cgtcaccgtc gacgcctccc ggaacctctg 240
 ggcgcgcgtc tactccccg cagcggaggc gacccactc cccgtcctcg tctacttcca 300
 cggcgggcgc ttcacgtgc tctcgcggc ctccacgcc atcgacggca tgtgccgcg 360
 cttctgccgc gagctgggcg ccgtggtc 388

<210> 2407
 <211> 359
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316117e07b1
 <400> 2407

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 aaagggcgag caagacagtg cccagtgaag caagctacag ttgtagcat ttgcatggag 180
 atggatgctt cctctctgag tactctttta ctgcagctc ttctgcggt gttctgttgt 240
 ttgacgcag gattttcatc gtcgtgttgc cagccatgat ggaaatctct cggttccaag 300
 agcatccaag ttttcgcttc atgacaaata aatgccactt tttcaatact ctgtttttt 359

<210> 2408
 <211> 445
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316117f11b1
 <400> 2408

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 tcagtattt tgaggactca gcagatgaga tcatctactt gctgctatt ccttcccccg 180
 atgctcctga tgagcagcca gacaagtgcc tagtaagctc atcaaaattg gaggatagca 240
 atcattctgg ttgcggccca tctcaatgg atgctgtgca gaatggtcta gccattcctc 300

ccgcacatctag tccattggaa gttgttgaca attccatggc cgaagagcca tcagcgggaag 360
 cggcaaacgc aaagcggaag aggaggctat cagccaaggg gctggagatg cagcaggctg 420
 aaaaagtga gaaaccaccc ataaa 445

<210> 2409
 <211> 426
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316117g05b1
 <400> 2409

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 catgaggctg gactgaagct acaggccatc atgtcactcc accagtgcgg tggcaacgtc 180
 ggcgacgtcg tcaacatccc gatcccgag tgggtgcggg acgtcgggtg gagtgatccg 240
 gacattttct acaccgacca gcacgggact aggaacattg agtacctcac ccttgagatt 300
 gatgaccagc ctctcttcca tggaagatcc gccgtgcaga tgtatgccga ttacatggca 360
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